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CROSS TABULATIONS OF CATCHES OF LARGE PELAGIC SPECIES BASED ON HAWAII COMMERCIAL CATCH REPORTS, JANUARY 1976 – APRIL 1981. I. AREA FISHED AND FISHING GEAR BY SPECIES

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INTRODUCTION

Before the enactment of the Magnuson Fishery Conservation and Management Act of 1976, the National Marine Fisheries Service determined that there was a need to manage the fishery for billfish, mahimahi, wahoo, and shark in the western Pacific region and prepared a Preliminary Fishery Management Plan for doing so in 1978. The Western Pacific Regional Fishery Management Council is now proceeding with the development of a Fishery Management Plan for these same species. In the process of doing so, a need has been identified to document the domestic catch of these management unit species by various fishing gears and fishing zones around the Hawaiian Islands.

In support of this identified need, we have prepared this data summary using statistics provided by the Hawaii Department of Land and Natural Resources, Division of Aquatic Resources. Data from January 1976 through April 1981 are included in this report. Compared with previous years, there appears to be underreporting of tuna longline catches, especially in 1981. However, for the purpose stated above, these statistics are the best available, and we acknowledge the Division of Aquatic Resources for making them available to us.

Summaries of reported landings, sales, and revenue derived from the sales are presented in the following sections: Species Totals, Region Fished (All Species), Region Fished by Species, Region Fished by Gear Type (All Species), Region Fished by Gear Type and by Species, Gear Type (All Species), Gear Type by Species, Gear Type by Region (All Species), Gear Type by Region and by Species.

Some explanation of the tables is in order. Since the summaries are based on the statistics provided by the Division of Aquatic Resources, we have followed the naming conventions used by them. With respect to fish names: "swordfish" refers to billfish (Families Xiphiidae and Istiophoridae) of undifferentiated species, whereas "broadbill" is the swordfish (Xiphias gladius); "ono" is the Hawaiian name for wahoo (Acanthocybium solandri); sharks are divided into "hammerhead shark" (Sphyrna sp.) and "shark" (mostly Carcharhinidae) categories, both of which are mixtures of species. With respect to areas or regions, the State of Hawaii's fishery statistical zones are arranged in 0 to 2, 2 to 20, and beyond 20 nmi strata. Thus, it is not possible to summarize the data by 0 to 3 and 3 to 200 nmi zones without using some arbitrary approximating procedures. Also, catches from the Northwestern Hawaiian Islands can be differentiated from those in the main Hawaiian Islands, and we have chosen to do so in the following tables without regard to distance zones around the islands. With respect to fishing gear types, "flagline" refers to tuna longline fishing gear; "deep-sea handline" is generally a multi-hook gear fished in deep water for snappers whereas "inshore handline" gear is generally fished in shallower water for goatfish (the Mullidae), akule (bigeye scad, Selar crumenophthalmus), and other shallow water fishes; however, the distinction is not clear.

SPECIES TOTALS

When considering only the weight caught or sold, blue marlin (Makaira nigricans) is the most important species among the management unit species (Table 1). It may come as a surprise to some that wahoo and mahimahi, (Coryphaena sp.), are the next most important species. Sailfish (Istiophorus platypterus) is the least important and sharks are next to last. However, from the viewpoint of revenue, mahimahi and wahoo alternate as the most important species. Blue marlin, by this measure, drops to third most important, and sharks become the least important.

REGION FISHED (ALL SPECIES)

For the Hawaiian domestic fishery, the zone from 2 to 20 nmi is the most important for these management unit species in terms of weight and revenue (Table 2). The region beyond 20 nmi is generally the next most important, and the Northwestern Hawaiian Islands ranks last.

REGION FISHED BY SPECIES

Within the 0 to 2 nmi zone, wahoo is the most important species with respect to weight and revenue (Table 3). Mahimahi is the second most important with respect to revenue. Blue marlin, however, was more important in terms of weight in 1978 and 1979.

For the 2 to 20 nmi zone, blue marlin is by far the most important species in terms of weight, except in 1976 when striped marlin landings were greater. However, blue marlin ranks behind mahimahi and wahoo with respect to revenue in most years.

In the Northwestern Hawaiian Islands, wahoo is clearly the most important species with respect to weight and revenue.

In the offshore areas, beyond 20 nmi, mahimahi is generally the most important species in terms of weight and revenue.

REGION FISHED BY GEAR TYPE (ALL SPECIES)

In the 0 to 2 nmi region, the two top ranked gear types based on weight and revenue are trolling and deep-sea handline (Table 4). It is of interest that no flagline catches were reported for this zone in 1980.

For the 2 to 20 nmi zone, trolling gear is clearly the most important gear type. Flagline or tuna longline gear was the second most important in 1976 through 1979 but was replaced by deep-sea handline in 1980 and 1981.

In the Northwestern Hawaiian Islands, trolling has become the most important gear type, largely displacing deep-sea handline. Likewise in the region beyond 20 nmi, trolling has again become the most important gear type, but in this case flagline has been relegated to second rank.

REGION FISHED BY GEAR TYPE BY SPECIES

The largest catches in all regions were generally made on trolling gear (Table 5). The major species caught by trolling were ono, mahimahi, and blue marlin. Mahimahi and ono typically made up the greater portion of catch in pounds and dollars for the other gear types as well, except for flagline gear which produced larger catches of striped marlin (Tetrapturus audax).

GEAR TYPE (ALL SPECIES)

For all management unit species combined, trolling gear is the most important fishing gear type. In 1976 through 1979, flagline gear was the second most important, but deep-sea handline became so in the remaining years (Table 6). Inshore handline gear is the least important.

GEAR TYPE BY SPECIES

As indicated in Table 5, the largest catches of mahimahi, ono, and blue marlin were made with trolling gear (Table 7). Deep-sea handline also contributed to large catches of these species, and of broadbill, whereas the largest catches of striped marlin were made on flagline gear except in 1976.

GEAR TYPE BY REGION (ALL SPECIES)

For flagline gear, the 2 to 20 nmi zone is generally the most important zone followed by the region beyond 20 nmi (Table 8). The 2 to 20 nmi zone is also the most important for deep-sea handline and trolling gears, but the 0 to 2 nmi zone is the second most important.

GEAR BY REGION AND BY SPECIES

Table 9 represents the data provided in Table 5 so that the impact of different gear types can be compared across regions.

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I TABLE 1.--HDAR 1976 DATA -- SPECIES TOTALS.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
TOTAL -- ALL SPECIES	736,975	559,593	$484,324.18
STRIPED MARLIN	208,984	159,154	$113,958.40
BLUE MARLIN	191,220	132,088	$52,304.95
BROADBILL	3,521	3,239	$2,058.44
SAILFISH	2,343	1,676	$693.97
MAHIMAHI	139,090	111,353	$178,400.06
ONO	169,682	135,397	$127,294.51
SHARK	1,378	9	$7.40
HAMMERHEAD SHARK	162	0	$0.00
SHORTBILL SPEARFISH	13,722	11,213	$7,372.91
BLACK MARLIN	6,873	5,464	$2,233.54
	HDAR 1977 DATA	SPECIES TOTALS	
TOTAL-- ALL SPECIES	898,345	729,957	$712,451.76
SWORDFISH	138	138	$62.20
STRIPED MARLIN	91,336	83,136	$97,204.89
BLUE MARLIN	366,220	273,485	$109,515.36
BROADBILL	41,235	41,235	$67,928.88
SAILFISH	1,407	1,179	$998.96
MAHIMAHI	150,320	125,042	$223,798.02
ONO	223,428	189,485	$203,813.88
SHARK	3,381	868	$207.15
HAMMERHEAD SHARK	40	0	$0.00
SHORTBILL SPEARFISH	12,763	9,896	$6,367.15
BLACK MARLIN	8,077	5,493	$2,555.27
	HDAR 1978 DATA	SPECIES TOTALS	
TOTAL -- ALL SPECIES	1,089,203	896,493	$886,309.55
STRIPED MARLIN	147,021	136,166	$174,652.83
BLUE MARLIN	537,318	428,789	$206,095.09
BROADBILL	30,143	29,473	$40,986.20
SAILFISH	697	372	$223.10
MAHIMAHI	130,762	110,118	$217,453.04
ONO	194,978	167,351	$225,262.46
SHARK	20,670	4,004	$1,497.00
HAMMERHEAD SHARK	1,527	--	--
SHORTBILL SPEARFISH	24,719	19,796	$19,705.35
BLACK MARLIN	1,368	424	$434.48

Table 1.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	HDAR 1979 DATA	SPECIES TOTALS	
TOTAL -- ALL SPECIES	989,871	830,951	$978,479.00
SWORDFISH	2	--	--
STRIPED MARLIN	111,801	103,291	$137,676.00
BLUE MARLIN	437,469	350,756	$176,024.00
BROADBILL	28,938	28,694	$43,442.00
SAILFISH	2,281	1,607	$1,214.00
MAHIMAHI	174,548	150,982	$293,749.00
ONO	199,979	172,141	$305,813.00
SHARK	4,429	1,873	$717.00
HAMMERHEAD SHARK	2,030	--	--
SHORTBILL SPEARFISH	17,254	13,447	$15,128.00
BLACK MARLIN	11,140	8,160	$4,716.00
	HDAR 1980 DATA	SPECIES TOTALS	
TOTAL -- ALL SPECIES	1,078,117	940,473	$1,225,984.00
STRIPED MARLIN	66,966	58,710	$70,173.00
BLUE MARLIN	441,530	382,686	$190,606.00
BROADBILL	33,024	32,697	$44,088.00
SAILFISH	957	679	$598.00
MAHIMAHI	238,660	211,617	$456,019.00
ONO	266,436	238,723	$452,162.00
SHARK	12,232	745	$260.00
HAMMERHEAD SHARK	444	345	$131.00
SHORTBILL SPEARFISH	11,998	9,123	$8,154.00
BLACK MARLIN	5,870	5,148	$3,793.00
	HDAR 1981 DATA	SPECIES TOTALS	
TOTAL -- ALL SPECIES	322,318	277,892	$447,626.00
STRIPED MARLIN	31,110	26,872	$32,753.00
BLUE MARLIN	113,884	96,780	$66,228.00
BROADBILL	1,661	1,607	$2,769.00
SAILFISH	384	304	$283.00
MAHIMAHI	92,853	82,038	$194,579.00
ONO	67,134	61,876	$144,048.00
SHARK	5,235	651	$307.00
HAMMERHEAD SHARK	200	--	--
SHORTBILL SPEARFISH	6,000	4,273	$4,584.00
BLACK MARLIN	3,857	3,491	$2,075.00

I TABLE 2.--HDAR 1976 DATA -- REGION TOTALS.

REGION	LBCAUGHT	LBSOLD	REVENUE
TOTAL -- ALL REGIONS	736,975	559,593	$484,324.18
0 TO 2 MILES	41,948	32,023	$29,166.09
2 TO 20 MILES	660,981	494,616	$422,424.70
NORTHWESTERN H.I.	8,267	8,267	$6,174.52
BEYOND 20 MILES	25,551	24,494	$26,314.33
OTHER	228	193	$244.54

HDAR 1977 DATA REGION TOTALS

TOTAL -- ALL REGIONS	898,345	729,957	$712,451.76
0 TO 2 MILES	48,982	39,008	$42,375.78
2 TO 20 MILES	822,283	665,840	$641,011.84
NORTHWESTERN H.I.	1,687	1,687	$1,705.68
BEYOND 20 MILES	25,089	23,168	$27,088.05
OTHER	304	254	$270.41

HDAR 1978 DATA REGION TOTALS

TOTAL -- ALL REGIONS	1,089,203	896,493	$886,309.55
0 TO 2 MILES	35,675	24,941	$30,982.87
2 TO 20 MILES	992,659	812,475	$789,280.66
NORTHWESTERN H.I.	2,114	2,114	$5,030.36
BEYOND 20 MILES	56,656	54,864	$58,450.39
OTHER	2,099	2,099	$2,565.27

HDAR 1979 DATA REGION TOTALS

TOTAL -- ALL REGIONS	989,871	830,951	$978,479.00
0 TO 2 MILES	67,606	54,605	$73,998.00
2 TO 20 MILES	875,476	733,042	$846,052.00
NORTHWESTERN H.I.	7,361	7,361	$16,340.00
BEYOND 20 MILES	36,227	32,951	$36,209.00
OTHER	3,201	2,992	$5,880.00

HDAR 1980 DATA REGION TOTALS

TOTAL -- ALL REGIONS	1,078,117	940,473	$1,225,984.00
0 TO 2 MILES	93,738	75,537	$128,897.00
2 TO 20 MILES	947,910	832,496	$1,052,276.00
NORTHWESTERN H.I.	4,256	4,256	$8,159.00
BEYOND 20 MILES	31,844	27,828	$36,134.00
OTHER	369	356	$518.00

HDAR 1981 DATA REGION TOTALS

REGION	LBCAUGHT	LBSOLD	REVENUE
TOTAL -- ALL REGIONS	322,318	277,892	$447,626.00
0 TO 2 MILES	20,136	16,885	$38,031.00
2 TO 20 MILES	285,332	244,385	$383,925.00
NORTHWESTERN H.I.	2,988	2,988	$5,706.00
BEYOND 20 MILES	12,967	12,739	$18,529.00
OTHER	895	895	$1,435.00

TABLE 3.--HDAR 1976 DATA BY REGION FISHED ALL ISLANDS.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = 0 TO 2 MILES		
STRIPED MARLIN	6,934	4,904	$2,115.72
BLUE MARLIN	5,033	4,024	$1,304.80
BROADBILL	103	103	$51.50
SAILFISH	144	144	$36.90
MAHIMAHI	6,203	4,517	$6,399.49
ONO	22,185	18,266	$19,168.93
SHARK	770	0	$0.00
HAMMERHEAD SHARK	162	0	$0.00
SHORTBILL SPEARFISH	414	65	$88.75
	REGION = 2 TO 20 MILES		
STRIPED MARLIN	193,814	146,034	$101,611.15
BLUE MARLIN	179,815	122,196	$47,968.82
BROADBILL	3,328	3,046	$1,961.94
SAILFISH	1,968	1,301	$545.42
MAHIMAHI	126,665	101,143	$162,469.02
ONO	137,079	106,748	$100,349.85
SHARK	608	9	$7.40
SHORTBILL SPEARFISH	11,228	9,072	$5,574.56
BLACK MARLIN	6,476	5,067	$1,936.54
	REGION = NORTHWESTERN H.I.		
MAHIMAHI	67	67	$92.90
ONO	8,200	8,200	$6,081.62
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	8,166	8,166	$10,156.53
BLUE MARLIN	6,372	5,868	$3,031.33
BROADBILL	90	90	$45.00
SAILFISH	231	231	$111.65
MAHIMAHI	6,053	5,539	$9,308.15
ONO	2,162	2,127	$1,655.07
SHORTBILL SPEARFISH	2,080	2,076	$1,709.60
BLACK MARLIN	397	397	$297.00
	REGION = OTHER		
STRIPED MARLIN	70	50	$75.00
MAHIMAHI	102	87	$130.50
ONO	56	56	$39.04

Table 3.--Continued.

HDAR 1977 DATA BY REGION FISHED ALL ISLANDS

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = 0 TO 2 MILES		
STRIPED MARLIN	622	566	$290.00
BLUE MARLIN	7,705	4,175	$1,585.18
SAILFISH	135	135	$118.75
MAHIMAHI	8,346	7,123	$10,252.61
ONO	30,338	26,717	$29,998.86
SHARK	1,641	137	$17.85
HAMMERHEAD SHARK	40	0	$0.00
SHORTBILL SPEARFISH	155	155	$112.53
	REGION = 2 TO 20 MILES		
SWORDFISH	138	138	$62.20
STRIPED MARLIN	85,012	76,968	$89,937.20
BLUE MARLIN	352,389	264,245	$105,111.07
BROADBILL	39,408	39,408	$64,900.91
SAILFISH	1,125	904	$794.71
MAHIMAHI	135,729	111,845	$203,315.26
ONO	188,096	158,176	$168,806.03
SHARK	1,510	731	$189.30
SHORTBILL SPEARFISH	12,282	9,415	$6,030.18
BLACK MARLIN	6,594	4,010	$1,864.98
	REGION = NORTHWESTERN H.I.		
MAHIMAHI	20	20	$30.00
ONO	1,667	1,667	$1,675.68
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	5,652	5,602	$6,977.69
BLUE MARLIN	6,126	5,065	$2,819.11
BROADBILL	1,827	1,827	$3,027.97
SAILFISH	147	140	$85.50
MAHIMAHI	6,225	6,054	$10,200.15
ONO	3,073	2,671	$3,062.90
SHARK	230	0	$0.00
SHORTBILL SPEARFISH	326	326	$224.44
BLACK MARLIN	1,483	1,483	$690.29

Table 3.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = OTHER		
STRIPED MARLIN	50	0	$0.00
ONO	254	254	$270.41
	HDAR 1978 DATA BY REGION FISHED ALL ISLANDS		
	REGION = 0 TO 2 MILES		
STRIPED MARLIN	633	473	$333.33
BLUE MARLIN	7,977	4,936	$2,180.87
BROADBILL	47	47	$47.00
SAILFISH	70	70	$70.00
MAHIMAHI	5,940	4,963	$8,292.75
ONO	16,882	14,111	$19,924.67
SHARK	2,599	341	$134.25
HAMMERHEAD SHARK	1,527	--	--
	REGION = 2 TO 20 MILES		
STRIPED MARLIN	127,254	116,721	$151,807.91
BLUE MARLIN	510,104	405,751	$195,336.89
BROADBILL	21,426	20,756	$28,151.40
SAILFISH	627	302	$153.10
MAHIMAHI	120,628	101,185	$200,905.22
ONO	170,330	145,715	$193,365.58
SHARK	17,989	3,581	$1,318.47
SHORTBILL SPEARFISH	22,933	18,040	$17,807.61
BLACK MARLIN	1,368	424	$434.48
	REGION = NORTHWESTERN H.I.		
MAHIMAHI	118	118	$191.52
ONO	1,996	1,996	$4,838.84
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	19,134	18,972	$22,511.59
BLUE MARLIN	19,237	18,102	$8,577.33
BROADBILL	8,670	8,670	$12,787.80
MAHIMAHI	3,890	3,666	$7,655.03
ONO	3,857	3,616	$4,976.62
SHARK	82	82	$44.28
SHORTBILL SPEARFISH	1,786	1,756	$1,897.74

Table 3.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = OTHER			
MAHIMAHI	186	186	$408.52
ONO	1,913	1,913	$2,156.75
HDAR 1979 DATA BY REGION FISHED ALL ISLANDS			
REGION = 0 TO 2 MILES			
STRIPED MARLIN	1,275	1,053	$1,107.00
BLUE MARLIN	19,091	15,627	$6,607.00
BROADBILL	827	812	$1,152.00
SAILFISH	152	77	$56.00
MAHIMAHI	9,408	7,709	$13,774.00
ONO	32,456	27,915	$50,124.00
SHARK	1,150	95	$54.00
HAMMERHEAD SHARK	1,880	--	--
SHORTBILL SPEARFISH	1,165	1,115	$1,023.00
BLACK MARLIN	202	202	$101.00
REGION = 2 TO 20 MILES			
SWORDFISH	2	--	--
STRIPED MARLIN	103,424	95,311	$125,999.00
BLUE MARLIN	401,872	320,695	$162,491.00
BROADBILL	26,829	26,600	$40,474.00
SAILFISH	1,979	1,380	$1,030.00
MAHIMAHI	156,746	135,301	$266,660.00
ONO	156,208	133,453	$231,509.00
SHARK	2,745	1,244	$475.00
HAMMERHEAD SHARK	150	--	--
SHORTBILL SPEARFISH	15,170	11,562	$13,134.00
BLACK MARLIN	10,351	7,496	$4,280.00
REGION = NORTHWESTERN H.I.			
BROADBILL	141	141	$176.00
MAHIMAHI	30	30	$30.00
ONO	7,190	7,190	$16,134.00

Table 3.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	6,705	6,530	$10,282.00
BLUE MARLIN	16,326	14,434	$6,926.00
BROADBILL	841	841	$1,142.00
SAILFISH	150	150	$128.00
MAHIMAHI	7,742	7,344	$11,984.00
ONO	2,605	2,068	$4,456.00
SHARK	534	534	$188.00
SHORTBILL SPEARFISH	881	732	$952.00
BLACK MARLIN	443	318	$151.00
	REGION = OTHER		
STRIPED MARLIN	397	397	$288.00
BLUE MARLIN	180	--	--
BROADBILL	300	300	$498.00
MAHIMAHI	622	598	$1,301.00
ONO	1,520	1,515	$3,590.00
SHORTBILL SPEARFISH	38	38	$19.00
BLACK MARLIN	144	144	$184.00
	HDAR 1980 DATA BY REGION FISHED ALL ISLANDS		
	REGION = 0 TO 2 MILES		
STRIPED MARLIN	1,904	1,755	$2,079.00
BLUE MARLIN	19,012	15,548	$7,770.00
BROADBILL	603	603	$869.00
SAILFISH	64	--	--
MAHIMAHI	19,084	17,009	$39,399.00
ONO	44,517	39,475	$78,005.00
SHARK	7,383	147	$57.00
HAMMERHEAD SHARK	320	225	$96.00
SHORTBILL SPEARFISH	386	316	$329.00
BLACK MARLIN	465	459	$293.00

Table 3.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = 2 TO 20 MILES		
STRIPED MARLIN	58,570	50,503	$59,579.00
BLUE MARLIN	410,261	357,376	$176,816.00
BROADBILL	31,363	31,036	$41,918.00
SAILFISH	719	505	$308.00
MAHIMAHI	210,851	186,757	$400,978.00
ONO	214,999	192,788	$361,601.00
SHARK	4,680	429	$136.00
HAMMERHEAD SHARK	124	120	$35.00
SHORTBILL SPEARFISH	11,158	8,513	$7,515.00
BLACK MARLIN	5,185	4,469	$3,390.00
	REGION = NORTHWESTERN H.I.		
BLUE MARLIN	173	173	$96.00
MAHIMAHI	352	352	$808.00
ONO	3,713	3,713	$7,245.00
SHORTBILL SPEARFISH	18	18	$10.00
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	6,415	6,375	$8,417.00
BLUE MARLIN	12,084	9,589	$5,924.00
BROADBILL	1,058	1,058	$1,301.00
SAILFISH	174	174	$290.00
MAHIMAHI	8,277	7,416	$14,677.00
ONO	3,011	2,551	$5,048.00
SHARK	169	169	$67.00
SHORTBILL SPEARFISH	436	276	$300.00
BLACK MARLIN	220	220	$110.00
	REGION = OTHER		
STRIPED MARLIN	77	77	$98.00
MAHIMAHI	96	83	$157.00
ONO	196	196	$263.00

Table 3.--Continued.

HDAR 1981 DATA BY REGION FISHED ALL ISLANDS

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = 0 TO 2 MILES		
STRIPED MARLIN	501	451	$833.00
BLUE MARLIN	2,824	2,228	$1,853.00
BROADBILL	14	14	$10.00
SAILFISH	21	21	$15.00
MAHIMAHI	6,983	6,354	$16,469.00
ONO	8,344	7,442	$18,634.00
SHARK	1,075	1	$1.00
SHORTBILL SPEARFISH	54	54	$24.00
BLACK MARLIN	320	320	$192.00
	REGION = 2 TO 20 MILES		
STRIPED MARLIN	23,616	19,428	$23,435.00
BLUE MARLIN	107,705	91,197	$61,678.00
BROADBILL	1,621	1,567	$2,745.00
SAILFISH	260	180	$183.00
MAHIMAHI	83,119	73,118	$171,463.00
ONO	55,295	50,952	$117,752.00
SHARK	4,160	650	$306.00
HAMMERHEAD SHARK	200	--	--
SHORTBILL SPEARFISH	5,819	4,122	$4,480.00
BLACK MARLIN	3,537	3,171	$1,883.00
	REGION = NORTHWESTERN H.I.		
STRIPED MARLIN	38	38	$22.00
BLUE MARLIN	232	232	$135.00
MAHIMAHI	135	135	$499.00
ONO	2,537	2,537	$5,023.00
SHORTBILL SPEARFISH	46	46	$27.00
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	6,573	6,573	$7,929.00
BLUE MARLIN	2,845	2,845	$2,312.00
BROADBILL	26	26	$14.00
SAILFISH	103	103	$85.00
MAHIMAHI	2,594	2,409	$6,103.00
ONO	745	732	$2,033.00
SHORTBILL SPEARFISH	81	51	$53.00
	REGION = OTHER		
STRIPED MARLIN	382	382	$534.00
BLUE MARLIN	278	278	$250.00
MAHIMAHI	22	22	$45.00
ONO	213	213	$606.00

I TABLE 4.--HDAR 1976 DATA BY REGION FISHED.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	REGION = 0 TO 2 MILES		
FLAGLINE	708	708	$820.13
DEEP-SEA HANDLINE	5,061	4,558	$3,542.59
INSHORE HANDLINE	915	842	$871.27
TROLLING LINE	34,064	25,612	$23,554.90
OTHER	1,200	303	$377.20
	REGION = 2 TO 20 MILES		
FLAGLINE	109,869	109,869	$120,038.25
DEEP-SEA HANDLINE	80,699	74,748	$66,338.94
INSHORE HANDLINE	277	277	$301.31
TROLLING LINE	463,892	303,530	$225,284.05
OTHER	6,244	6,192	$10,462.15
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	8,267	8,267	$6,174.52
	REGION = BEYOND 20 MILES		
FLAGLINE	12,904	12,904	$14,742.32
DEEP-SEA HANDLINE	2,781	2,751	$3,080.78
TROLLING LINE	8,734	7,707	$6,953.21
OTHER	1,132	1,132	$1,538.02
	REGION = OTHER		
TROLLING LINE	228	193	$244.54
	HDAR 1977 DATA BY REGION FISHED		
	REGION = 0 TO 2 MILES		
FLAGLINE	55	55	$83.25
DEEP-SEA HANDLINE	6,462	5,627	$5,767.76
INSHORE HANDLINE	900	435	$565.82
TROLLING LINE	40,426	32,332	$35,231.55
OTHER	1,139	559	$727.40
	REGION = 2 TO 20 MILES		
FLAGLINE	154,789	154,789	$202,147.78
DEEP-SEA HANDLINE	62,535	57,499	$57,092.45
INSHORE HANDLINE	1,133	1,078	$1,149.10
TROLLING LINE	597,374	446,267	$369,628.41
OTHER	6,452	6,207	$10,994.10

Table 4.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	612	612	$817.28
TROLLING LINE	1,075	1,075	$888.40
	REGION = BEYOND 20 MILES		
FLAGLINE	11,358	11,358	$14,211.75
DEEP-SEA HANDLINE	2,458	2,458	$3,000.07
INSHORE HANDLINE	230	0	$0.00
TROLLING LINE	8,270	6,579	$5,327.41
OTHER	2,773	2,773	$4,548.82
	REGION = OTHER		
TROLLING LINE	304	254	$270.41
	HDAR 1978 DATA BY REGION FISHED		
	REGION = 0 TO 2 MILES		
FLAGLINE	1,415	1,415	$2,243.43
DEEP-SEA HANDLINE	1,088	835	$1,071.05
INSHORE HANDLINE	4,621	4,138	$4,590.87
TROLLING LINE	26,734	18,506	$23,069.07
OTHER	1,817	47	$8.45
	REGION = 2 TO 20 MILES		
FLAGLINE	170,487	160,067	$212,570.06
DEEP-SEA HANDLINE	61,586	57,463	$67,857.24
INSHORE HANDLINE	87	53	$81.25
TROLLING LINE	751,680	586,105	$492,117.31
OTHER	8,819	8,787	$16,654.80
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	2,114	2,114	$5,030.36
	REGION = BEYOND 20 MILES		
FLAGLINE	36,828	36,828	$47,161.76
DEEP-SEA HANDLINE	2,621	2,571	$2,035.98
TROLLING LINE	16,693	14,951	$8,051.27
OTHER	514	514	$1,201.38

Table 4.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	REGION = OTHER		
TROLLING LINE	2,085	2,085	$2,527.60
OTHER	14	14	$37.67
	HDAR 1979 DATA BY REGION FISHED		
	REGION = 0 TO 2 MILES		
FLAGLINE	539	539	$979.00
DEEP-SEA HANDLINE	8,514	8,009	$11,261.00
INSHORE HANDLINE	427	312	$488.00
TROLLING LINE	54,365	44,911	$60,285.00
OTHER	3,761	834	$985.00
	REGION = 2 TO 20 MILES		
FLAGLINE	109,179	109,179	$157,398.00
DEEP-SEA HANDLINE	67,628	65,005	$94,727.00
INSHORE HANDLINE	14	--	--
TROLLING LINE	690,987	551,515	$581,217.00
OTHER	7,668	7,343	$12,710.00
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	237	237	$309.00
TROLLING LINE	7,124	7,124	$16,031.00
	REGION = BEYOND 20 MILES		
FLAGLINE	8,882	8,882	$14,053.00
DEEP-SEA HANDLINE	5,784	5,605	$8,758.00
TROLLING LINE	17,269	14,202	$7,897.00
OTHER	4,292	4,262	$5,501.00
	REGION = OTHER		
FLAGLINE	1,412	1,388	$2,155.00
DEEP-SEA HANDLINE	5	--	--
TROLLING LINE	1,747	1,567	$3,691.00
OTHER	37	37	$34.00

Table 4.--Continued.

HDAR 1980 DATA BY REGION FISHED

GEAR	LBCAUGHT	LBSOLD	REVENUE
	REGION = 0 TO 2 MILES		
DEEP-SEA HANDLINE	20,812	15,190	$23,767.00
INSHORE HANDLINE	1,479	144	$256.00
TROLLING LINE	70,417	59,779	$104,502.00
OTHER	1,030	424	$372.00
	REGION = 2 TO 20 MILES		
FLAGLINE	37,148	37,148	$49,218.00
DEEP-SEA HANDLINE	121,739	116,812	$189,933.00
INSHORE HANDLINE	13	13	$35.00
TROLLING LINE	782,555	672,098	$801,405.00
OTHER	6,455	6,425	$11,685.00
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	18	18	$10.00
TROLLING LINE	4,238	4,238	$8,149.00
	REGION = BEYOND 20 MILES		
FLAGLINE	8,702	8,634	$11,327.00
DEEP-SEA HANDLINE	6,956	6,791	$12,110.00
TROLLING LINE	12,729	8,946	$7,082.00
OTHER	3,457	3,457	$5,615.00
	REGION = OTHER		
DEEP-SEA HANDLINE	64	64	$106.00
TROLLING LINE	285	272	$353.00
OTHER	20	20	$59.00

HDAR 1981 DATA BY REGION FISHED

	REGION = 0 TO 2 MILES		
DEEP-SEA HANDLINE	3,301	2,775	$5,972.00
INSHORE HANDLINE	869	54	$24.00
TROLLING LINE	15,919	14,009	$31,846.00
OTHER	47	47	$189.00

Table 4.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	REGION = 2 TO 20 MILES		
FLAGLINE	8,067	8,067	$13,125.00
DEEP-SEA HANDLINE	37,799	33,609	$69,693.00
TROLLING LINE	236,656	199,899	$297,042.00
OTHER	2,810	2,810	$4,065.00
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	115	115	$106.00
TROLLING LINE	2,873	2,873	$5,600.00
	REGION = BEYOND 20 MILES		
FLAGLINE	8,783	8,738	$10,933.00
DEEP-SEA HANDLINE	1,018	918	$921.00
TROLLING LINE	2,849	2,766	$5,691.00
OTHER	317	317	$984.00
	REGION = OTHER		
FLAGLINE	660	660	$784.00
DEEP-SEA HANDLINE	9	9	$18.00
TROLLING LINE	226	226	$633.00

TABLE 5.--HDAR 1976 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = FLAGLINE			
STRIPED MARLIN	708	708	$820
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	1,002	1,002	$181
BLUE MARLIN	490	189	$38
BROADBILL	103	103	$52
SAILFISH	46	46	$14
MAHIMAHI	992	820	$1,112
ONO	2,418	2,398	$2,146
SHARK	10	0	$0
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
STRIPED MARLIN	79	79	$98
MAHIMAHI	262	216	$316
ONO	547	547	$458
HAMMERHEAD SHARK	27	0	$0
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	5,145	3,115	$1,017
BLUE MARLIN	4,543	3,835	$1,267
SAILFISH	98	98	$23
MAHIMAHI	4,644	3,178	$4,595
ONO	19,220	15,321	$16,565
SHORTBILL SPEARFISH	414	65	$89
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	305	303	$377
SHARK	760	0	$0
HAMMERHEAD SHARK	135	0	$0
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	67,317	67,317	$71,689
BLUE MARLIN	14,553	14,553	$10,739
BROADBILL	429	429	$174
SAILFISH	529	529	$253
MAHIMAHI	15,087	15,087	$27,553
ONO	5,843	5,843	$5,120
SHORTBILL SPEARFISH	5,692	5,692	$4,067
BLACK MARLIN	419	419	$443

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	10,895	9,942	$3,841
BLUE MARLIN	10,748	10,564	$3,708
BROADBILL	2,356	2,074	$1,337
SAILFISH	235	159	$41
MAHIMAHI	22,526	21,703	$32,091
ONO	32,202	28,908	$24,969
SHARK	339	0	$0
SHORTBILL SPEARFISH	395	395	$189
BLACK MARLIN	1,003	1,003	$163
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	107	107	$137
ONO	170	170	$164
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	115,602	68,775	$26,081
BLUE MARLIN	154,514	97,079	$33,522
BROADBILL	543	543	$451
SAILFISH	1,204	613	$251
MAHIMAHI	82,987	58,340	$92,483
ONO	98,587	71,550	$69,846
SHARK	260	0	$0
SHORTBILL SPEARFISH	5,141	2,985	$1,319
BLACK MARLIN	5,054	3,645	$1,330
REGION = 2 TO 20 MILES GEAR = OTHER			
MAHIMAHI	5,958	5,906	$10,205
ONO	277	277	$250
SHARK	9	9	$7
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
MAHIMAHI	67	67	$93
ONO	8,200	8,200	$6,082
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	6,239	6,239	$8,609
BLUE MARLIN	2,198	2,198	$1,351
SAILFISH	55	55	$17
MAHIMAHI	1,374	1,374	$2,450
ONO	1,693	1,693	$1,290
SHORTBILL SPEARFISH	1,345	1,345	$1,026

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	442	442	$398
BROADBILL	90	90	$45
SAILFISH	176	176	$95
MAHIMAHI	1,215	1,215	$1,741
ONO	204	174	$138
SHORTBILL SPEARFISH	654	654	$664
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	1,485	1,485	$1,150
BLUE MARLIN	4,174	3,670	$1,681
MAHIMAHI	2,332	1,818	$3,579
ONO	265	260	$228
SHORTBILL SPEARFISH	81	77	$19
BLACK MARLIN	397	397	$297
REGION = BEYOND 20 MILES GEAR = OTHER			
MAHIMAHI	1,132	1,132	$1,538
REGION = OTHER GEAR = TROLLING LINE			
STRIPED MARLIN	70	50	$75
MAHIMAHI	102	87	$131
ONO	56	56	$39

TABLE 5.--HDAR 1977 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = FLAGLINE			
MAHIMAHI	55	55	$83
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
BLUE MARLIN	895	534	$333
MAHIMAHI	1,817	1,757	$2,607
ONO	3,202	3,202	$2,810
SHARK	548	134	$18
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	226	211	$369
ONO	224	224	$196
SHARK	450	0	$0
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	622	566	$290
BLUE MARLIN	6,810	3,641	$1,252
SAILFISH	135	135	$119
MAHIMAHI	5,955	4,807	$6,714
ONO	26,730	23,109	$26,810
SHARK	100	0	$0
SHORTBILL SPEARFISH	74	74	$47
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	293	293	$480
ONO	182	182	$182
SHARK	543	3	$0
HAMMERHEAD SHARK	40	0	$0
SHORTBILL SPEARFISH	81	81	$66
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	64,772	64,772	$79,657
BLUE MARLIN	22,523	22,523	$17,834
BROADBILL	35,362	35,362	$61,388
SAILFISH	620	620	$626
MAHIMAHI	13,805	13,805	$27,620
ONO	11,316	11,316	$10,204
SHORTBILL SPEARFISH	6,133	6,133	$4,419
BLACK MARLIN	258	258	$401

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	1,217	1,174	$1,095
BLUE MARLIN	15,858	13,196	$5,776
BROADBILL	3,756	3,756	$3,191
SAILFISH	107	39	$23
MAHIMAHI	15,462	14,563	$22,993
ONO	24,237	23,402	$23,408
SHARK	695	416	$112
SHORTBILL SPEARFISH	473	396	$163
BLACK MARLIN	730	557	$332
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
STRIPED MARLIN	100	100	$100
MAHIMAHI	228	228	$299
ONO	805	750	$750
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
SWORDFISH	138	138	$62
STRIPED MARLIN	18,923	10,922	$9,086
BLUE MARLIN	314,008	228,526	$81,502
BROADBILL	290	290	$323
SAILFISH	376	223	$133
MAHIMAHI	100,538	77,578	$141,838
ONO	151,358	122,348	$134,072
SHARK	461	161	$32
SHORTBILL SPEARFISH	5,676	2,886	$1,449
BLACK MARLIN	5,606	3,195	$1,132
REGION = 2 TO 20 MILES GEAR = OTHER			
SAILFISH	22	22	$13
MAHIMAHI	5,696	5,671	$10,564
ONO	380	360	$372
SHARK	354	154	$45
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
ONO	612	612	$817
REGION = NORTHWESTERN H.I. GEAR = TROLLING LINE			
MAHIMAHI	20	20	$30
ONO	1,055	1,055	$858

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	5,161	5,161	$6,603
BLUE MARLIN	2,103	2,103	$1,636
BROADBILL	1,603	1,603	$2,830
SAILFISH	114	114	$69
MAHIMAHI	1,007	1,007	$1,761
ONO	868	868	$963
SHORTBILL SPEARFISH	297	297	$175
BLACK MARLIN	205	205	$174
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	110	110	$105
BROADBILL	224	224	$198
SAILFISH	26	26	$17
MAHIMAHI	971	971	$1,598
ONO	1,127	1,127	$1,082
REGION = BEYOND 20 MILES GEAR = INSHORE HANDLINE			
SHARK	230	0	$0
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	381	331	$270
BLUE MARLIN	4,023	2,962	$1,183
SAILFISH	7	0	$0
MAHIMAHI	1,482	1,311	$2,299
ONO	1,070	668	$1,011
SHORTBILL SPEARFISH	29	29	$49
BLACK MARLIN	1,278	1,278	$516
REGION = BEYOND 20 MILES GEAR = OTHER			
MAHIMAHI	2,765	2,765	$4,543
ONO	8	8	$6
REGION = OTHER GEAR = TROLLING LINE			
STRIPED MARLIN	50	0	$0
ONO	254	254	$270

TABLE 5.--HDAR 1978 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = FLAGLINE			
MAHIMAHI	881	881	$1,469
ONO	534	534	$775
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
SAILFISH	70	70	$70
MAHIMAHI	307	307	$486
ONO	411	386	$490
SHARK	300	72	$25
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
STRIPED MARLIN	136	136	$54
BLUE MARLIN	1,114	1,114	$465
BROADBILL	47	47	$47
MAHIMAHI	850	787	$1,424
ONO	1,943	1,888	$2,529
SHARK	531	166	$72
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	497	337	$279
BLUE MARLIN	6,863	3,822	$1,716
MAHIMAHI	3,898	2,984	$4,908
ONO	13,951	11,303	$16,131
SHARK	1,525	60	$35
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	4	4	$6
ONO	43	0	$0
SHARK	243	43	$2
HAMMERHEAD SHARK	1,527	--	--
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	87,889	87,889	$124,052
BLUE MARLIN	34,622	34,622	$32,643
BROADBILL	11,952	11,282	$17,181
SAILFISH	49	49	$37
MAHIMAHI	7,449	7,449	$17,480
ONO	7,722	7,722	$9,701
SHARK	11,085	1,335	$453
SHORTBILL SPEARFISH	9,719	9,719	$11,023

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	2,613	2,287	$2,280
BLUE MARLIN	11,156	10,809	$4,945
BROADBILL	8,916	8,916	$10,235
SAILFISH	43	43	$15
MAHIMAHI	12,654	12,111	$22,111
ONO	21,887	21,438	$27,124
SHARK	3,740	1,282	$472
SHORTBILL SPEARFISH	577	577	$676
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	19	19	$29
ONO	68	34	$53
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	36,752	26,545	$25,476
BLUE MARLIN	464,326	360,320	$157,749
BROADBILL	558	558	$736
SAILFISH	535	210	$101
MAHIMAHI	91,774	72,874	$144,685
ONO	140,566	116,466	$156,433
SHARK	3,164	964	$393
SHORTBILL SPEARFISH	12,637	7,744	$6,109
BLACK MARLIN	1,368	424	$434
REGION = 2 TO 20 MILES GEAR = OTHER			
MAHIMAHI	8,732	8,732	$16,600
ONO	87	55	$55
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
MAHIMAHI	118	118	$192
ONO	1,996	1,996	$4,839
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	17,382	17,382	$21,314
BLUE MARLIN	5,458	5,458	$4,536
BROADBILL	8,530	8,530	$12,683
MAHIMAHI	2,092	2,092	$4,336
ONO	1,917	1,917	$2,677
SHORTBILL SPEARFISH	1,449	1,449	$1,616

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	585	545	$409
BLUE MARLIN	988	988	$280
BROADBILL	140	140	$105
MAHIMAHI	512	512	$843
ONO	314	304	$354
SHARK	82	82	$44
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	1,167	1,045	$789
BLUE MARLIN	12,791	11,656	$3,761
MAHIMAHI	772	548	$1,274
ONO	1,626	1,395	$1,945
SHORTBILL SPEARFISH	337	307	$282
REGION = BEYOND 20 MILES GEAR = OTHER			
MAHIMAHI	514	514	$1,201
REGION = OTHER GEAR = TROLLING LINE			
MAHIMAHI	172	172	$371
ONO	1,913	1,913	$2,157
REGION = OTHER GEAR = OTHER			
MAHIMAHI	14	14	$38

I TABLE 5.--HDAR 1979 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = FLAGLINE			
MAHIMAHI	510	510	$920
ONO	29	29	$59
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	286	216	$115
BLUE MARLIN	705	705	$436
BROADBILL	827	812	$1,152
MAHIMAHI	2,314	2,061	$3,261
ONO	4,135	3,968	$6,140
SHORTBILL SPEARFISH	45	45	$56
BLACK MARLIN	202	202	$101
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	87	80	$127
SHARK	58	--	--
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	989	837	$992
BLUE MARLIN	18,386	14,922	$6,171
SAILFISH	152	77	$56
MAHIMAHI	6,399	4,960	$9,263
ONO	27,982	23,658	$43,499
SHARK	66	66	$6
SHORTBILL SPEARFISH	391	391	$298
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	98	98	$203
ONO	28	28	$65
SHARK	1,026	29	$48
HAMMERHEAD SHARK	1,880	--	--
SHORTBILL SPEARFISH	729	679	$669

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	66,510	66,510	$94,880
BLUE MARLIN	13,747	13,747	$14,536
BROADBILL	14,278	14,278	$23,566
SAILFISH	677	677	$597
MAHIMAHI	6,508	6,508	$13,655
ONO	2,741	2,741	$5,247
SHARK	871	871	$397
SHORTBILL SPEARFISH	3,747	3,747	$4,422
BLACK MARLIN	100	100	$98
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
SWORDFISH	2	--	--
STRIPED MARLIN	4,474	4,364	$5,493
BLUE MARLIN	12,508	12,211	$8,980
BROADBILL	12,201	12,201	$16,812
SAILFISH	99	99	$82
MAHIMAHI	19,285	18,307	$34,539
ONO	16,826	16,148	$27,170
SHARK	190	--	--
SHORTBILL SPEARFISH	410	390	$329
BLACK MARLIN	1,633	1,285	$1,322
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	14	--	--
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	32,110	24,362	$25,454
BLUE MARLIN	374,958	294,078	$138,877
BROADBILL	350	121	$96
SAILFISH	1,203	604	$351
MAHIMAHI	124,447	104,039	$206,138
ONO	136,589	114,537	$199,021
SHARK	1,549	238	$37
HAMMERHEAD SHARK	150	--	--
SHORTBILL SPEARFISH	11,013	7,425	$8,383
BLACK MARLIN	8,618	6,111	$2,860

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = OTHER			
STRIPED MARLIN	330	75	$172
BLUE MARLIN	659	659	$98
MAHIMAHI	6,492	6,447	$12,328
ONO	52	27	$71
SHARK	135	135	$41
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
BROADBILL	141	141	$176
ONO	96	96	$133
REGION = NORTHWESTERN H.I. GEAR = TROLLING LINE			
MAHIMAHI	30	30	$30
ONO	7,094	7,094	$16,001
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	4,954	4,954	$8,903
BLUE MARLIN	1,481	1,481	$1,507
BROADBILL	220	220	$330
SAILFISH	73	73	$42
MAHIMAHI	553	553	$1,054
ONO	445	445	$1,206
SHARK	534	534	$188
SHORTBILL SPEARFISH	622	622	$823
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	644	644	$781
BLUE MARLIN	1,569	1,464	$1,267
BROADBILL	621	621	$812
SAILFISH	77	77	$86
MAHIMAHI	2,040	2,040	$3,891
ONO	833	759	$1,921
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	875	700	$445
BLUE MARLIN	13,042	11,255	$4,082
MAHIMAHI	1,395	997	$1,834
ONO	1,285	822	$1,256
SHORTBILL SPEARFISH	229	110	$129
BLACK MARLIN	443	318	$151

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = OTHER			
STRIPED MARLIN	232	232	$153
BLUE MARLIN	234	234	$70
MAHIMAHI	3,754	3,754	$5,205
ONO	42	42	$73
SHORTBILL SPEARFISH	30	--	--
REGION = OTHER GEAR = FLAGLINE			
STRIPED MARLIN	397	397	$288
BROADBILL	300	300	$498
MAHIMAHI	274	250	$620
ONO	297	297	$565
BLACK MARLIN	144	144	$184
REGION = OTHER GEAR = DEEP-SEA HANDLINE			
ONO	5	--	--
REGION = OTHER GEAR = TROLLING LINE			
BLUE MARLIN	180	--	--
MAHIMAHI	311	311	$647
ONO	1,218	1,218	$3,025
SHORTBILL SPEARFISH	38	38	$19
REGION = OTHER GEAR = OTHER			
MAHIMAHI	37	37	$34

TABLE 5.--HDAR 1980 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	449	449	$337
BLUE MARLIN	4,634	3,910	$1,755
BROADBILL	445	445	$632
MAHIMAHI	5,475	5,268	$11,670
ONO	5,035	5,010	$9,239
SHARK	4,666	--	--
SHORTBILL SPEARFISH	108	108	$134
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	92	81	$205
ONO	48	44	$37
SHARK	1,333	13	$6
SHORTBILL SPEARFISH	6	6	$8
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	1,455	1,306	$1,742
BLUE MARLIN	14,378	11,638	$6,015
BROADBILL	158	158	$237
SAILFISH	64	--	--
MAHIMAHI	13,451	11,594	$27,424
ONO	39,327	34,314	$68,568
SHARK	763	113	$39
HAMMERHEAD SHARK	95	--	--
SHORTBILL SPEARFISH	271	201	$186
BLACK MARLIN	455	455	$291
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	66	66	$100
ONO	107	107	$161
SHARK	621	21	$12
HAMMERHEAD SHARK	225	225	$96
SHORTBILL SPEARFISH	1	1	$1
BLACK MARLIN	10	4	$2
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	19,875	19,875	$22,815
BLUE MARLIN	6,870	6,870	$5,920
BROADBILL	489	489	$1,028
MAHIMAHI	7,562	7,562	$15,981
ONO	2,014	2,014	$3,295
SHARK	101	101	$35
SHORTBILL SPEARFISH	237	237	$144

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	2,466	2,367	$3,085
BLUE MARLIN	20,565	18,974	$10,971
BROADBILL	29,510	29,183	$39,393
SAILFISH	273	233	$126
MAHIMAHI	33,537	32,508	$71,323
ONO	33,780	32,694	$64,184
SHARK	591	241	$90
SHORTBILL SPEARFISH	490	363	$314
BLACK MARLIN	527	249	$447
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	13	13	$35
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	36,229	28,261	$33,679
BLUE MARLIN	382,176	330,882	$159,730
BROADBILL	874	874	$982
SAILFISH	446	272	$182
MAHIMAHI	164,732	141,667	$303,092
ONO	178,897	157,802	$293,694
SHARK	3,988	87	$11
HAMMERHEAD SHARK	124	120	$35
SHORTBILL SPEARFISH	10,431	7,913	$7,057
BLACK MARLIN	4,658	4,220	$2,943
REGION = 2 TO 20 MILES GEAR = OTHER			
BLUE MARLIN	650	650	$195
BROADBILL	490	490	$515
MAHIMAHI	5,007	5,007	$10,547
ONO	308	278	$428
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
SHORTBILL SPEARFISH	18	18	$10
REGION = NORTHWESTERN H.I. GEAR = TROLLING LINE			
BLUE MARLIN	173	173	$96
MAHIMAHI	352	352	$808
ONO	3,713	3,713	$7,245

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	4,539	4,539	$5,325
BLUE MARLIN	1,834	1,834	$1,760
BROADBILL	206	206	$210
MAHIMAHI	1,290	1,222	$2,546
ONO	581	581	$1,307
SHARK	169	169	$67
SHORTBILL SPEARFISH	83	83	$112
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	1,390	1,390	$2,596
BLUE MARLIN	1,190	1,190	$1,142
BROADBILL	852	852	$1,091
SAILFISH	174	174	$290
MAHIMAHI	1,854	1,719	$4,167
ONO	1,470	1,440	$2,814
SHORTBILL SPEARFISH	26	26	$10
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	486	446	$496
BLUE MARLIN	9,060	6,565	$3,022
MAHIMAHI	1,676	1,018	$2,349
ONO	960	530	$927
SHORTBILL SPEARFISH	327	167	$178
BLACK MARLIN	220	220	$110
REGION = BEYOND 20 MILES GEAR = OTHER			
MAHIMAHI	3,457	3,457	$5,615
REGION = OTHER GEAR = DEEP-SEA HANDLINE			
MAHIMAHI	6	6	$9
ONO	58	58	$97
REGION = OTHER GEAR = TROLLING LINE			
STRIPED MARLIN	77	77	$98
MAHIMAHI	70	57	$89
ONO	138	138	$166
REGION = OTHER GEAR = OTHER			
MAHIMAHI	20	20	$59

I TABLE 5.--HDAR 1981 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	47	47	$47
BLUE MARLIN	546	430	$561
BROADBILL	14	14	$10
SAILFISH	21	21	$15
MAHIMAHI	1,490	1,420	$3,621
ONO	902	843	$1,718
SHARK	281	--	--
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
ONO	22	--	--
SHARK	793	--	--
SHORTBILL SPEARFISH	54	54	$24
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	454	404	$786
BLUE MARLIN	2,278	1,798	$1,292
MAHIMAHI	5,447	4,888	$12,660
ONO	7,420	6,599	$16,916
BLACK MARLIN	320	320	$192
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	46	46	$188
SHARK	1	1	$1
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	4,773	4,773	$5,838
BLUE MARLIN	384	384	$393
MAHIMAHI	2,514	2,514	$6,027
ONO	329	329	$817
SHORTBILL SPEARFISH	67	67	$50
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	588	585	$665
BLUE MARLIN	5,432	4,852	$5,009
BROADBILL	1,621	1,567	$2,745
MAHIMAHI	13,287	13,026	$32,248
ONO	12,705	12,424	$28,321
SHARK	3,610	650	$306
SHORTBILL SPEARFISH	556	505	$399

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	18,255	14,070	$16,932
BLUE MARLIN	101,889	85,961	$56,276
SAILFISH	260	180	$183
MAHIMAHI	64,521	54,781	$129,142
ONO	42,248	38,186	$88,595
SHARK	550	--	--
HAMMERHEAD SHARK	200	--	--
SHORTBILL SPEARFISH	5,196	3,550	$4,031
BLACK MARLIN	3,537	3,171	$1,883
REGION = 2 TO 20 MILES GEAR = OTHER			
MAHIMAHI	2,797	2,797	$4,046
ONO	13	13	$19
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	38	38	$22
MAHIMAHI	31	31	$57
SHORTBILL SPEARFISH	46	46	$27
REGION = NORTHWESTERN H.I. GEAR = TROLLING LINE			
BLUE MARLIN	232	232	$135
MAHIMAHI	104	104	$442
ONO	2,537	2,537	$5,023
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	6,504	6,504	$7,862
BLUE MARLIN	1,393	1,393	$1,250
BROADBILL	26	26	$14
SAILFISH	103	103	$85
MAHIMAHI	589	544	$1,308
ONO	168	168	$414
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
BLUE MARLIN	490	490	$122
MAHIMAHI	435	335	$619
ONO	93	93	$180

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	69	69	$67
BLUE MARLIN	962	962	$940
MAHIMAHI	1,253	1,213	$3,192
ONO	484	471	$1,439
SHORTBILL SPEARFISH	81	51	$53
REGION = BEYOND 20 MILES GEAR = OTHER			
MAHIMAHI	317	317	$984
REGION = OTHER GEAR = FLAGLINE			
STRIPED MARLIN	382	382	$534
BLUE MARLIN	278	278	$250
REGION = OTHER GEAR = DEEP-SEA HANDLINE			
MAHIMAHI	9	9	$18
REGION = OTHER GEAR = TROLLING LINE			
MAHIMAHI	13	13	$27
ONO	213	213	$606

I TABLE 6.--HDAR 1976 DATA -- GEAR TOTALS.

GEAR	LBCAUGHT	LBSOLD	REVENUE
TOTAL -- ALL GEAR	736,975	559,593	$484,324.18
FLAGLINE	123,481	123,481	$135,600.70
DEEP-SEA HANDLINE	96,808	90,324	$79,136.83
INSHORE HANDLINE	1,192	1,119	$1,172.58
TROLLING LINE	506,918	337,042	$256,036.70
OTHER	8,576	7,627	$12,377.37
	HDAR 1977 DATA	GEAR TOTALS	
TOTAL -- ALL GEAR	898,345	729,957	$712,451.76
FLAGLINE	166,202	166,202	$216,442.78
DEEP-SEA HANDLINE	72,067	66,196	$66,677.56
INSHORE HANDLINE	2,263	1,513	$1,714.92
TROLLING LINE	647,449	486,507	$411,346.18
OTHER	10,364	9,539	$16,270.32
	HDAR 1978 DATA	GEAR TOTALS	
TOTAL -- ALL GEAR	1,089,203	896,493	$886,309.55
FLAGLINE	208,730	198,310	$261,975.25
DEEP-SEA HANDLINE	67,409	62,983	$75,994.63
INSHORE HANDLINE	4,708	4,191	$4,672.12
TROLLING LINE	797,192	621,647	$525,765.25
OTHER	11,164	9,362	$17,902.30
	HDAR 1979 DATA	GEAR TOTALS	
TOTAL -- ALL GEAR	989,871	830,951	$978,479.00
FLAGLINE	120,012	119,988	$174,585.00
DEEP-SEA HANDLINE	82,168	78,856	$115,055.00
INSHORE HANDLINE	441	312	$488.00
TROLLING LINE	771,492	619,319	$669,121.00
OTHER	15,758	12,476	$19,230.00
	HDAR 1980 DATA	GEAR TOTALS	
TOTAL -- ALL GEAR	1,078,117	940,473	$1,225,984.00
FLAGLINE	45,850	45,782	$60,545.00
DEEP-SEA HANDLINE	149,589	138,875	$225,926.00
INSHORE HANDLINE	1,492	157	$291.00
TROLLING LINE	870,224	745,333	$921,491.00
OTHER	10,962	10,326	$17,731.00

Table 6.--Continued.

	HDAR 1981 DATA	GEAR TOTALS	
GEAR	LBCAUGHT	LBSOLD	REVENUE
TOTAL -- ALL GEAR	322,318	277,892	$447,626.00
FLAGLINE	17,510	17,465	$24,842.00
DEEP-SEA HANDLINE	42,242	37,426	$76,710.00
INSHORE HANDLINE	869	54	$24.00
TROLLING LINE	258,523	219,773	$340,812.00
OTHER	3,174	3,174	$5,238.00

I TABLE 7.--HDAR 1976 DATA BY GEAR AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = FLAGLINE		
STRIPED MARLIN	74,264	74,264	$81,118
BLUE MARLIN	16,751	16,751	$12,089
BROADBILL	429	429	$174
SAILFISH	584	584	$270
MAHIMAHI	16,461	16,461	$30,004
ONO	7,536	7,536	$6,410
SHORTBILL SPEARFISH	7,037	7,037	$5,093
BLACK MARLIN	419	419	$443
	GEAR = DEEP-SEA HANDLINE		
STRIPED MARLIN	12,339	11,386	$4,420
BLUE MARLIN	11,238	10,753	$3,746
BROADBILL	2,549	2,267	$1,433
SAILFISH	457	381	$150
MAHIMAHI	24,800	23,805	$35,036
ONO	43,024	39,680	$33,335
SHARK	349	0	$0
SHORTBILL SPEARFISH	1,049	1,049	$853
BLACK MARLIN	1,003	1,003	$163
	GEAR = INSHORE HANDLINE		
STRIPED MARLIN	79	79	$98
MAHIMAHI	369	323	$452
ONO	717	717	$622
HAMMERHEAD SHARK	27	0	$0
	GEAR = TROLLING LINE		
STRIPED MARLIN	122,302	73,425	$28,323
BLUE MARLIN	163,231	104,584	$36,470
BROADBILL	543	543	$451
SAILFISH	1,302	711	$274
MAHIMAHI	90,065	63,423	$100,788
ONO	118,128	87,187	$86,678
SHARK	260	0	$0
SHORTBILL SPEARFISH	5,636	3,127	$1,427
BLACK MARLIN	5,451	4,042	$1,627
	GEAR = OTHER		
MAHIMAHI	7,395	7,341	$12,120
ONO	277	277	$250
SHARK	769	9	$7
HAMMERHEAD SHARK	135	0	$0

TABLE 7.--HDAR 1977 DATA BY GEAR AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = FLAGLINE		
STRIPED MARLIN	69,933	69,933	$86,260
BLUE MARLIN	24,626	24,626	$19,470
BROADBILL	36,965	36,965	$64,218
SAILFISH	734	734	$694
MAHIMAHI	14,867	14,867	$29,464
ONO	12,184	12,184	$11,168
SHORTBILL SPEARFISH	6,430	6,430	$4,594
BLACK MARLIN	463	463	$575
	GEAR = DEEP-SEA HANDLINE		
STRIPED MARLIN	1,327	1,284	$1,199
BLUE MARLIN	16,753	13,730	$6,109
BROADBILL	3,980	3,980	$3,389
SAILFISH	133	65	$40
MAHIMAHI	18,250	17,291	$27,198
ONO	29,178	28,343	$28,118
SHARK	1,243	550	$130
SHORTBILL SPEARFISH	473	396	$163
BLACK MARLIN	730	557	$332
	GEAR = INSHORE HANDLINE		
STRIPED MARLIN	100	100	$100
MAHIMAHI	454	439	$669
ONO	1,029	974	$946
SHARK	680	0	$0
	GEAR = TROLLING LINE		
SWORDFISH	138	138	$62
STRIPED MARLIN	19,976	11,819	$9,646
BLUE MARLIN	324,841	235,129	$83,937
BROADBILL	290	290	$323
SAILFISH	518	358	$251
MAHIMAHI	107,995	83,716	$150,881
ONO	180,467	147,434	$163,022
SHARK	561	161	$32
SHORTBILL SPEARFISH	5,779	2,989	$1,545
BLACK MARLIN	6,884	4,473	$1,648

Table 7.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = OTHER		
SAILFISH	22	22	$13
MAHIMAHI	8,754	8,729	$15,587
ONO	570	550	$560
SHARK	897	157	$45
HAMMERHEAD SHARK	40	0	$0
SHORTBILL SPEARFISH	81	81	$66

TABLE 7.--HDAR 1978 DATA BY GEAR AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = FLAGLINE		
STRIPED MARLIN	105,271	105,271	$145,366
BLUE MARLIN	40,080	40,080	$37,180
BROADBILL	20,482	19,812	$29,864
SAILFISH	49	49	$37
MAHIMAHI	10,422	10,422	$23,285
ONO	10,173	10,173	$13,153
SHARK	11,085	1,335	$453
SHORTBILL SPEARFISH	11,168	11,168	$12,639
	GEAR = DEEP-SEA HANDLINE		
STRIPED MARLIN	3,198	2,832	$2,689
BLUE MARLIN	12,144	11,797	$5,225
BROADBILL	9,056	9,056	$10,340
SAILFISH	113	113	$85
MAHIMAHI	13,591	13,048	$23,632
ONO	24,608	24,124	$32,807
SHARK	4,122	1,436	$542
SHORTBILL SPEARFISH	577	577	$676
	GEAR = INSHORE HANDLINE		
STRIPED MARLIN	136	136	$54
BLUE MARLIN	1,114	1,114	$465
BROADBILL	47	47	$47
MAHIMAHI	869	806	$1,453
ONO	2,011	1,922	$2,581
SHARK	531	166	$72
	GEAR = TROLLING LINE		
STRIPED MARLIN	38,416	27,927	$26,543
BLUE MARLIN	483,980	375,798	$163,226
BROADBILL	558	558	$736
SAILFISH	535	210	$101
MAHIMAHI	96,616	76,578	$151,238
ONO	158,056	131,077	$176,667
SHARK	4,689	1,024	$428
SHORTBILL SPEARFISH	12,974	8,051	$6,391
BLACK MARLIN	1,368	424	$434
	GEAR = OTHER		
MAHIMAHI	9,264	9,264	$17,845
ONO	130	55	$55
SHARK	243	43	$2
HAMMERHEAD SHARK	1,527	--	--

TABLE 7.--HDAR 1979 DATA BY GEAR AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = FLAGLINE		
STRIPED MARLIN	71,861	71,861	$104,071
BLUE MARLIN	15,228	15,228	$16,043
BROADBILL	14,798	14,798	$24,394
SAILFISH	750	750	$639
MAHIMAHI	7,845	7,821	$16,249
ONO	3,512	3,512	$7,077
SHARK	1,405	1,405	$585
SHORTBILL SPEARFISH	4,369	4,369	$5,245
BLACK MARLIN	244	244	$282
	GEAR = DEEP-SEA HANDLINE		
SWORDFISH	2	--	--
STRIPED MARLIN	5,404	5,224	$6,389
BLUE MARLIN	14,782	14,380	$10,683
BROADBILL	13,790	13,775	$18,952
SAILFISH	176	176	$168
MAHIMAHI	23,639	22,408	$41,691
ONO	21,895	20,971	$35,364
SHARK	190	--	--
SHORTBILL SPEARFISH	455	435	$385
BLACK MARLIN	1,835	1,487	$1,423
	GEAR = INSHORE HANDLINE		
MAHIMAHI	101	80	$127
ONO	282	232	$361
SHARK	58	--	--
	GEAR = TROLLING LINE		
STRIPED MARLIN	33,974	25,899	$26,891
BLUE MARLIN	406,566	320,255	$149,130
BROADBILL	350	121	$96
SAILFISH	1,355	681	$407
MAHIMAHI	132,582	110,337	$217,912
ONO	174,168	147,329	$262,802
SHARK	1,615	304	$43
HAMMERHEAD SHARK	150	--	--
SHORTBILL SPEARFISH	11,671	7,964	$8,829
BLACK MARLIN	9,061	6,429	$3,011

Table 7.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = OTHER		
STRIPED MARLIN	562	307	$325
BLUE MARLIN	893	893	$168
MAHIMAHI	10,381	10,336	$17,770
ONO	122	97	$209
SHARK	1,161	164	$89
HAMMERHEAD SHARK	1,880	--	--
SHORTBILL SPEARFISH	759	679	$669

TABLE 7.--HDAR 1980 DATA BY GEAR AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = FLAGLINE		
STRIPED MARLIN	24,414	24,414	$28,140
BLUE MARLIN	8,704	8,704	$7,680
BROADBILL	695	695	$1,238
MAHIMAHI	8,852	8,784	$18,527
ONO	2,595	2,595	$4,602
SHARK	270	270	$102
SHORTBILL SPEARFISH	320	320	$256
	GEAR = DEEP-SEA HANDLINE		
STRIPED MARLIN	4,305	4,206	$6,018
BLUE MARLIN	26,389	24,074	$13,868
BROADBILL	30,807	30,480	$41,116
SAILFISH	447	407	$416
MAHIMAHI	40,872	39,501	$87,169
ONO	40,343	39,202	$76,334
SHARK	5,257	241	$90
SHORTBILL SPEARFISH	642	515	$468
BLACK MARLIN	527	249	$447
	GEAR = INSHORE HANDLINE		
MAHIMAHI	105	94	$240
ONO	48	44	$37
SHARK	1,333	13	$6
SHORTBILL SPEARFISH	6	6	$8
	GEAR = TROLLING LINE		
STRIPED MARLIN	38,247	30,090	$36,015
BLUE MARLIN	405,787	349,258	$168,863
BROADBILL	1,032	1,032	$1,219
SAILFISH	510	272	$182
MAHIMAHI	180,281	154,688	$333,762
ONO	223,035	196,497	$370,600
SHARK	4,751	200	$50
HAMMERHEAD SHARK	219	120	$35
SHORTBILL SPEARFISH	11,029	8,281	$7,421
BLACK MARLIN	5,333	4,895	$3,344

Table 7.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = OTHER		
BLUE MARLIN	650	650	$195
BROADBILL	490	490	$515
MAHIMAHI	8,550	8,550	$16,321
ONO	415	385	$589
SHARK	621	21	$12
HAMMERHEAD SHARK	225	225	$96
SHORTBILL SPEARFISH	1	1	$1
BLACK MARLIN	10	4	$2

I TABLE 7.-- HDAR 1981 DATA BY GEAR AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	GEAR = FLAGLINE		
STRIPED MARLIN	11,659	11,659	$14,234
BLUE MARLIN	2,055	2,055	$1,893
BROADBILL	26	26	$14
SAILFISH	103	103	$85
MAHIMAHI	3,103	3,058	$7,335
ONO	497	497	$1,231
SHORTBILL SPEARFISH	67	67	$50
	GEAR = DEEP-SEA HANDLINE		
STRIPED MARLIN	673	670	$734
BLUE MARLIN	6,468	5,772	$5,692
BROADBILL	1,635	1,581	$2,755
SAILFISH	21	21	$15
MAHIMAHI	15,252	14,821	$36,563
ONO	13,700	13,360	$30,219
SHARK	3,891	650	$306
SHORTBILL SPEARFISH	602	551	$426
	GEAR = INSHORE HANDLINE		
ONO	22	--	--
SHARK	793	--	--
SHORTBILL SPEARFISH	54	54	$24
	GEAR = TROLLING LINE		
STRIPED MARLIN	18,778	14,543	$17,785
BLUE MARLIN	105,361	88,953	$58,643
SAILFISH	260	180	$183
MAHIMAHI	71,338	60,999	$145,463
ONO	52,902	48,006	$112,579
SHARK	550	--	--
HAMMERHEAD SHARK	200	--	--
SHORTBILL SPEARFISH	5,277	3,601	$4,084
BLACK MARLIN	3,857	3,491	$2,075
	GEAR = OTHER		
MAHIMAHI	3,160	3,160	$5,218
ONO	13	13	$19
SHARK	1	1	$1

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TABLE 8.--HDAR 1976 DATA -- BY GEAR.

REGION	LBCAUGHT	LBSOLD	REVENUE
	GEAR = FLAGLINE		
0 TO 2 MILES	708	708	$820.13
2 TO 20 MILES	109,869	109,869	$120,038.25
BEYOND 20 MILES	12,904	12,904	$14,742.32
	GEAR = DEEP-SEA HANDLINE		
0 TO 2 MILES	5,061	4,558	$3,542.59
2 TO 20 MILES	80,699	74,748	$66,338.94
NORTHWESTERN H.I.	8,267	8,267	$6,174.52
BEYOND 20 MILES	2,781	2,751	$3,080.78
	GEAR = INSHORE HANDLINE		
0 TO 2 MILES	915	842	$871.27
2 TO 20 MILES	277	277	$301.31
	GEAR = TROLLING LINE		
0 TO 2 MILES	34,064	25,612	$23,554.90
2 TO 20 MILES	463,892	303,530	$225,284.05
BEYOND 20 MILES	8,734	7,707	$6,953.21
OTHER	228	193	$244.54
	GEAR = OTHER		
0 TO 2 MILES	1,200	303	$377.20
2 TO 20 MILES	6,244	6,192	$10,462.15
BEYOND 20 MILES	1,132	1,132	$1,538.02
	HDAR 1977 DATA BY GEAR		
	GEAR = FLAGLINE		
0 TO 2 MILES	55	55	$83.25
2 TO 20 MILES	154,789	154,789	$202,147.78
BEYOND 20 MILES	11,358	11,358	$14,211.75
	GEAR = DEEP-SEA HANDLINE		
0 TO 2 MILES	6,462	5,627	$5,767.76
2 TO 20 MILES	62,535	57,499	$57,092.45
NORTHWESTERN H.I.	612	612	$817.28
BEYOND 20 MILES	2,458	2,458	$3,000.07

Table 8.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	GEAR = INSHORE HANDLINE		
0 TO 2 MILES	900	435	$565.82
2 TO 20 MILES	1,133	1,078	$1,149.10
BEYOND 20 MILES	230	0	$0.00
	GEAR = TROLLING LINE		
0 TO 2 MILES	40,426	32,332	$35,231.55
2 TO 20 MILES	597,374	446,267	$369,628.41
NORTHWESTERN H.I.	1,075	1,075	$888.40
BEYOND 20 MILES	8,270	6,579	$5,327.41
OTHER	304	254	$270.41
	GEAR = OTHER		
0 TO 2 MILES	1,139	559	$727.40
2 TO 20 MILES	6,452	6,207	$10,994.10
BEYOND 20 MILES	2,773	2,773	$4,548.82
	HDAR 1978 DATA BY GEAR		
	GEAR = FLAGLINE		
0 TO 2 MILES	1,415	1,415	$2,243.43
2 TO 20 MILES	170,487	160,067	$212,570.06
BEYOND 20 MILES	36,828	36,828	$47,161.76
	GEAR = DEEP-SEA HANDLINE		
0 TO 2 MILES	1,088	835	$1,071.05
2 TO 20 MILES	61,586	57,463	$67,857.24
NORTHWESTERN H.I.	2,114	2,114	$5,030.36
BEYOND 20 MILES	2,621	2,571	$2,035.98
	GEAR = INSHORE HANDLINE		
0 TO 2 MILES	4,621	4,138	$4,590.87
2 TO 20 MILES	87	53	$81.25
	GEAR = TROLLING LINE		
0 TO 2 MILES	26,734	18,506	$23,069.07
2 TO 20 MILES	751,680	586,105	$492,117.31
BEYOND 20 MILES	16,693	14,951	$8,051.27
OTHER	2,085	2,085	$2,527.60

Table 8.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	GEAR = OTHER		
0 TO 2 MILES	1,817	47	$8.45
2 TO 20 MILES	8,819	8,787	$16,654.80
BEYOND 20 MILES	514	514	$1,201.38
OTHER	14	14	$37.67
	HDAR 1979 DATA BY GEAR		
	GEAR = FLAGLINE		
0 TO 2 MILES	539	539	$979.00
2 TO 20 MILES	109,179	109,179	$157,398.00
BEYOND 20 MILES	8,882	8,882	$14,053.00
OTHER	1,412	1,388	$2,155.00
	GEAR = DEEP-SEA HANDLINE		
0 TO 2 MILES	8,514	8,009	$11,261.00
2 TO 20 MILES	67,628	65,005	$94,727.00
NORTHWESTERN H.I.	237	237	$309.00
BEYOND 20 MILES	5,784	5,605	$8,758.00
OTHER	5	--	--
	GEAR = INSHORE HANDLINE		
0 TO 2 MILES	427	312	$488.00
2 TO 20 MILES	14	--	--
	GEAR = TROLLING LINE		
0 TO 2 MILES	54,365	44,911	$60,285.00
2 TO 20 MILES	690,987	551,515	$581,217.00
NORTHWESTERN H.I.	7,124	7,124	$16,031.00
BEYOND 20 MILES	17,269	14,202	$7,897.00
OTHER	1,747	1,567	$3,691.00
	GEAR = OTHER		
0 TO 2 MILES	3,761	834	$985.00
2 TO 20 MILES	7,668	7,343	$12,710.00
BEYOND 20 MILES	4,292	4,262	$5,501.00
OTHER	37	37	$34.00

Table 8.--Continued.

HDAR 1980 DATA BY GEAR

REGION	LBCAUGHT	LBSOLD	REVENUE
	GEAR = FLAGLINE		
2 TO 20 MILES	37,148	37,148	$49,218.00
BEYOND 20 MILES	8,702	8,634	$11,327.00
	GEAR = DEEP-SEA HANDLINE		
0 TO 2 MILES	20,812	15,190	$23,767.00
2 TO 20 MILES	121,739	116,812	$189,933.00
NORTHWESTERN H.I.	18	18	$10.00
BEYOND 20 MILES	6,956	6,791	$12,110.00
OTHER	64	64	$106.00
	GEAR = INSHORE HANDLINE		
0 TO 2 MILES	1,479	144	$256.00
2 TO 20 MILES	13	13	$35.00
	GEAR = TROLLING LINE		
0 TO 2 MILES	70,417	59,779	$104,502.00
2 TO 20 MILES	782,555	672,098	$801,405.00
NORTHWESTERN H.I.	4,238	4,238	$8,149.00
BEYOND 20 MILES	12,729	8,946	$7,082.00
OTHER	285	272	$353.00
	GEAR = OTHER		
0 TO 2 MILES	1,030	424	$372.00
2 TO 20 MILES	6,455	6,425	$11,685.00
BEYOND 20 MILES	3,457	3,457	$5,615.00
OTHER	20	20	$59.00
	HDAR 1981 DATA BY GEAR		
	GEAR = FLAGLINE		
2 TO 20 MILES	8,067	8,067	$13,125.00
BEYOND 20 MILES	8,783	8,738	$10,933.00
OTHER	660	660	$784.00

Table 8.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	GEAR = DEEP-SEA HANDLINE		
0 TO 2 MILES	3,301	2,775	$5,972.00
2 TO 20 MILES	37,799	33,609	$69,693.00
NORTHWESTERN H.I.	115	115	$106.00
BEYOND 20 MILES	1,018	918	$921.00
OTHER	9	9	$18.00
	GEAR = INSHORE HANDLINE		
0 TO 2 MILES	869	54	$24.00
	GEAR = TROLLING LINE		
0 TO 2 MILES	15,919	14,009	$31,846.00
2 TO 20 MILES	236,656	199,899	$297,042.00
NORTHWESTERN H.I.	2,873	2,873	$5,600.00
BEYOND 20 MILES	2,849	2,766	$5,691.00
OTHER	226	226	$633.00
	GEAR = OTHER		
0 TO 2 MILES	47	47	$189.00
2 TO 20 MILES	2,810	2,810	$4,065.00
BEYOND 20 MILES	317	317	$984.00

I TABLE 9.--HDAR 1976 DATA BY GEAR, REGION, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = FLAGLINE REGION = 0 TO 2 MILES			
STRIPED MARLIN	708	708	$820
GEAR = FLAGLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	67,317	67,317	$71,689
BLUE MARLIN	14,553	14,553	$10,739
BROADBILL	429	429	$174
SAILFISH	529	529	$253
MAHIMAHI	15,087	15,087	$27,553
ONO	5,843	5,843	$5,120
SHORTBILL SPEARFISH	5,692	5,692	$4,067
BLACK MARLIN	419	419	$443
GEAR = FLAGLINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	6,239	6,239	$8,609
BLUE MARLIN	2,198	2,198	$1,351
SAILFISH	55	55	$17
MAHIMAHI	1,374	1,374	$2,450
ONO	1,693	1,693	$1,290
SHORTBILL SPEARFISH	1,345	1,345	$1,026
GEAR = DEEP-SEA HANDLINE REGION = 0 TO 2 MILES			
STRIPED MARLIN	1,002	1,002	$181
BLUE MARLIN	490	189	$38
BROADBILL	103	103	$52
SAILFISH	46	46	$14
MAHIMAHI	992	820	$1,112
ONO	2,418	2,398	$2,146
SHARK	10	0	$0
GEAR = DEEP-SEA HANDLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	10,895	9,942	$3,841
BLUE MARLIN	10,748	10,564	$3,708
BROADBILL	2,356	2,074	$1,337
SAILFISH	235	159	$41
MAHIMAHI	22,526	21,703	$32,091
ONO	32,202	28,908	$24,969
SHARK	339	0	$0
SHORTBILL SPEARFISH	395	395	$189
BLACK MARLIN	1,003	1,003	$163

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = DEEP-SEA HANDLINE	REGION = NORTHWESTERN H.I.		
MAHIMAHI	67	67	$93
ONO	8,200	8,200	$6,082
GEAR = DEEP-SEA HANDLINE	REGION = BEYOND 20 MILES		
STRIPED MARLIN	442	442	$398
BROADBILL	90	90	$45
SAILFISH	176	176	$95
MAHIMAHI	1,215	1,215	$1,741
ONO	204	174	$138
SHORTBILL SPEARFISH	654	654	$664
GEAR = INSHORE HANDLINE	REGION = 0 TO 2 MILES		
STRIPED MARLIN	79	79	$98
MAHIMAHI	262	216	$316
ONO	547	547	$458
HAMMERHEAD SHARK	27	0	$0
GEAR = INSHORE HANDLINE	REGION = 2 TO 20 MILES		
MAHIMAHI	107	107	$137
ONO	170	170	$164
GEAR = TROLLING LINE	REGION = 0 TO 2 MILES		
STRIPED MARLIN	5,145	3,115	$1,017
BLUE MARLIN	4,543	3,835	$1,267
SAILFISH	98	98	$23
MAHIMAHI	4,644	3,178	$4,595
ONO	19,220	15,321	$16,565
SHORTBILL SPEARFISH	414	65	$89
GEAR = TROLLING LINE	REGION = 2 TO 20 MILES		
STRIPED MARLIN	115,602	68,775	$26,081
BLUE MARLIN	154,514	97,079	$33,522
BROADBILL	543	543	$451
SAILFISH	1,204	613	$251
MAHIMAHI	82,987	58,340	$92,483
ONO	98,587	71,550	$69,846
SHARK	260	0	$0
SHORTBILL SPEARFISH	5,141	2,985	$1,319
BLACK MARLIN	5,054	3,645	$1,330

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = TROLLING LINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	1,485	1,485	$1,150
BLUE MARLIN	4,174	3,670	$1,681
MAHIMAHI	2,332	1,818	$3,579
ONO	265	260	$228
SHORTBILL SPEARFISH	81	77	$19
BLACK MARLIN	397	397	$297
GEAR = TROLLING LINE REGION = OTHER			
STRIPED MARLIN	70	50	$75
MAHIMAHI	102	87	$131
ONO	56	56	$39
GEAR = OTHER REGION = 0 TO 2 MILES			
MAHIMAHI	305	303	$377
SHARK	760	0	$0
HAMMERHEAD SHARK	135	0	$0
GEAR = OTHER REGION = 2 TO 20 MILES			
MAHIMAHI	5,958	5,906	$10,205
ONO	277	277	$250
SHARK	9	9	$7
GEAR = OTHER REGION = BEYOND 20 MILES			
MAHIMAHI	1,132	1,132	$1,538

TABLE 9.--HDAR 1977 DATA BY GEAR, REGION, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = FLAGLINE REGION = 0 TO 2 MILES			
MAHIMAHI	55	55	$83
GEAR = FLAGLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	64,772	64,772	$79,657
BLUE MARLIN	22,523	22,523	$17,834
BROADBILL	35,362	35,362	$61,388
SAILFISH	620	620	$626
MAHIMAHI	13,805	13,805	$27,620
ONO	11,316	11,316	$10,204
SHORTBILL SPEARFISH	6,133	6,133	$4,419
BLACK MARLIN	258	258	$401
GEAR = FLAGLINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	5,161	5,161	$6,603
BLUE MARLIN	2,103	2,103	$1,636
BROADBILL	1,603	1,603	$2,830
SAILFISH	114	114	$69
MAHIMAHI	1,007	1,007	$1,761
ONO	868	868	$963
SHORTBILL SPEARFISH	297	297	$175
BLACK MARLIN	205	205	$174
GEAR = DEEP-SEA HANDLINE REGION = 0 TO 2 MILES			
BLUE MARLIN	895	534	$333
MAHIMAHI	1,817	1,757	$2,607
ONO	3,202	3,202	$2,810
SHARK	548	134	$18
GEAR = DEEP-SEA HANDLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	1,217	1,174	$1,095
BLUE MARLIN	15,858	13,196	$5,776
BROADBILL	3,756	3,756	$3,191
SAILFISH	107	39	$23
MAHIMAHI	15,462	14,563	$22,993
ONO	24,237	23,402	$23,408
SHARK	695	416	$112
SHORTBILL SPEARFISH	473	396	$163
BLACK MARLIN	730	557	$332
GEAR = DEEP-SEA HANDLINE REGION = NORTHWESTERN H.I.			
ONO	612	612	$817

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = DEEP-SEA HANDLINE	REGION = BEYOND 20 MILES		
STRIPED MARLIN	110	110	$105
BROADBILL	224	224	$198
SAILFISH	26	26	$17
MAHIMAHI	971	971	$1,598
ONO	1,127	1,127	$1,082
GEAR = INSHORE HANDLINE	REGION = 0 TO 2 MILES		
MAHIMAHI	226	211	$369
ONO	224	224	$196
SHARK	450	0	$0
GEAR = INSHORE HANDLINE	REGION = 2 TO 20 MILES		
STRIPED MARLIN	100	100	$100
MAHIMAHI	228	228	$299
ONO	805	750	$750
GEAR = INSHORE HANDLINE	REGION = BEYOND 20 MILES		
SHARK	230	0	$0
GEAR = TROLLING LINE	REGION = 0 TO 2 MILES		
STRIPED MARLIN	622	566	$290
BLUE MARLIN	6,810	3,641	$1,252
SAILFISH	135	135	$119
MAHIMAHI	5,955	4,807	$6,714
ONO	26,730	23,109	$26,810
SHARK	100	0	$0
SHORTBILL SPEARFISH	74	74	$47
GEAR = TROLLING LINE	REGION = 2 TO 20 MILES		
SWORDFISH	138	138	$62
STRIPED MARLIN	18,923	10,922	$9,086
BLUE MARLIN	314,008	228,526	$81,502
BROADBILL	290	290	$323
SAILFISH	376	223	$133
MAHIMAHI	100,538	77,578	$141,838
ONO	151,358	122,348	$134,072
SHARK	461	161	$32
SHORTBILL SPEARFISH	5,676	2,886	$1,449
BLACK MARLIN	5,606	3,195	$1,132

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = TROLLING LINE REGION = NORTHWESTERN H.I.			
MAHIMAHI	20	20	$30
ONO	1,055	1,055	$858
GEAR = TROLLING LINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	381	331	$270
BLUE MARLIN	4,023	2,962	$1,183
SAILFISH	7	0	$0
MAHIMAHI	1,482	1,311	$2,299
ONO	1,070	668	$1,011
SHORTBILL SPEARFISH	29	29	$49
BLACK MARLIN	1,278	1,278	$516
GEAR = TROLLING LINE REGION = OTHER			
STRIPED MARLIN	50	0	$0
ONO	254	254	$270
GEAR = OTHER REGION = 0 TO 2 MILES			
MAHIMAHI	293	293	$480
ONO	182	182	$182
SHARK	543	3	$0
HAMMERHEAD SHARK	40	0	$0
SHORTBILL SPEARFISH	81	81	$66
GEAR = OTHER REGION = 2 TO 20 MILES			
SAILFISH	22	22	$13
MAHIMAHI	5,696	5,671	$10,564
ONO	380	360	$372
SHARK	354	154	$45
GEAR = OTHER REGION = BEYOND 20 MILES			
MAHIMAHI	2,765	2,765	$4,543
ONO	8	8	$6

TABLE 9.--HDAR 1978 DATA BY GEAR, REGION, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = FLAGLINE REGION = 0 TO 2 MILES			
MAHIMAHI	881	881	$1,469
ONO	534	534	$775
GEAR = FLAGLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	87,889	87,889	$124,052
BLUE MARLIN	34,622	34,622	$32,643
BROADBILL	11,952	11,282	$17,181
SAILFISH	49	49	$37
MAHIMAHI	7,449	7,449	$17,480
ONO	7,722	7,722	$9,701
SHARK	11,085	1,335	$453
SHORTBILL SPEARFISH	9,719	9,719	$11,023
GEAR = FLAGLINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	17,382	17,382	$21,314
BLUE MARLIN	5,458	5,458	$4,536
BROADBILL	8,530	8,530	$12,683
MAHIMAHI	2,092	2,092	$4,336
ONO	1,917	1,917	$2,677
SHORTBILL SPEARFISH	1,449	1,449	$1,616
GEAR = DEEP-SEA HANDLINE REGION = 0 TO 2 MILES			
SAILFISH	70	70	$70
MAHIMAHI	307	307	$486
ONO	411	386	$490
SHARK	300	72	$25
GEAR = DEEP-SEA HANDLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	2,613	2,287	$2,280
BLUE MARLIN	11,156	10,809	$4,945
BROADBILL	8,916	8,916	$10,235
SAILFISH	43	43	$15
MAHIMAHI	12,654	12,111	$22,111
ONO	21,887	21,438	$27,124
SHARK	3,740	1,282	$472
SHORTBILL SPEARFISH	577	577	$676
GEAR = DEEP-SEA HANDLINE REGION = NORTHWESTERN H.I.			
MAHIMAHI	118	118	$192
ONO	1,996	1,996	$4,839

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = DEEP-SEA HANDLINE		REGION = BEYOND 20 MILES	
STRIPED MARLIN	585	545	$409
BLUE MARLIN	988	988	$280
BROADBILL	140	140	$105
MAHIMAHI	512	512	$843
ONO	314	304	$354
SHARK	82	82	$44
GEAR = INSHORE HANDLINE		REGION = 0 TO 2 MILES	
STRIPED MARLIN	136	136	$54
BLUE MARLIN	1,114	1,114	$465
BROADBILL	47	47	$47
MAHIMAHI	850	787	$1,424
ONO	1,943	1,888	$2,529
SHARK	531	166	$72
GEAR = INSHORE HANDLINE		REGION = 2 TO 20 MILES	
MAHIMAHI	19	19	$29
ONO	68	34	$53
GEAR = TROLLING LINE		REGION = 0 TO 2 MILES	
STRIPED MARLIN	497	337	$279
BLUE MARLIN	6,863	3,822	$1,716
MAHIMAHI	3,898	2,984	$4,908
ONO	13,951	11,303	$16,131
SHARK	1,525	60	$35
GEAR = TROLLING LINE		REGION = 2 TO 20 MILES	
STRIPED MARLIN	36,752	26,545	$25,476
BLUE MARLIN	464,326	360,320	$157,749
BROADBILL	558	558	$736
SAILFISH	535	210	$101
MAHIMAHI	91,774	72,874	$144,685
ONO	140,566	116,466	$156,433
SHARK	3,164	964	$393
SHORTBILL SPEARFISH	12,637	7,744	$6,109
BLACK MARLIN	1,368	424	$434

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = TROLLING LINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	1,167	1,045	$789
BLUE MARLIN	12,791	11,656	$3,761
MAHIMAHI	772	548	$1,274
ONO	1,626	1,395	$1,945
SHORTBILL SPEARFISH	337	307	$282
GEAR = TROLLING LINE REGION = OTHER			
MAHIMAHI	172	172	$371
ONO	1,913	1,913	$2,157
GEAR = OTHER REGION = 0 TO 2 MILES			
MAHIMAHI	4	4	$6
ONO	43	0	$0
SHARK	243	43	$2
HAMMERHEAD SHARK	1,527	--	--
GEAR = OTHER REGION = 2 TO 20 MILES			
MAHIMAHI	8,732	8,732	$16,600
ONO	87	55	$55
GEAR = OTHER REGION = BEYOND 20 MILES			
MAHIMAHI	514	514	$1,201
GEAR = OTHER REGION = OTHER			
MAHIMAHI	14	14	$38

I TABLE 9.--HDAR 1979 DATA BY GEAR, REGION, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = FLAGLINE REGION = 0 TO 2 MILES			
MAHIMAHI	510	510	$920
ONO	29	29	$59
GEAR = FLAGLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	66,510	66,510	$94,880
BLUE MARLIN	13,747	13,747	$14,536
BROADBILL	14,278	14,278	$23,566
SAILFISH	677	677	$597
MAHIMAHI	6,508	6,508	$13,655
ONO	2,741	2,741	$5,247
SHARK	871	871	$397
SHORTBILL SPEARFISH	3,747	3,747	$4,422
BLACK MARLIN	100	100	$98
GEAR = FLAGLINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	4,954	4,954	$8,903
BLUE MARLIN	1,481	1,481	$1,507
BROADBILL	220	220	$330
SAILFISH	73	73	$42
MAHIMAHI	553	553	$1,054
ONO	445	445	$1,206
SHARK	534	534	$188
SHORTBILL SPEARFISH	622	622	$823
GEAR = FLAGLINE REGION = OTHER			
STRIPED MARLIN	397	397	$288
BROADBILL	300	300	$498
MAHIMAHI	274	250	$620
ONO	297	297	$565
BLACK MARLIN	144	144	$184
GEAR = DEEP-SEA HANDLINE REGION = 0 TO 2 MILES			
STRIPED MARLIN	286	216	$115
BLUE MARLIN	705	705	$436
BROADBILL	827	812	$1,152
MAHIMAHI	2,314	2,061	$3,261
ONO	4,135	3,968	$6,140
SHORTBILL SPEARFISH	45	45	$56
BLACK MARLIN	202	202	$101

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = DEEP SEA HANDLINE	REGION = 2 TO 20 MILES		
SWORDFISH	2	--	--
STRIPED MARLIN	4,474	4,364	$5,493
BLUE MARLIN	12,508	12,211	$8,980
BROADBILL	12,201	12,201	$16,812
SAILFISH	99	99	$82
MAHIMAHI	19,285	18,307	$34,539
ONO	16,826	16,148	$27,170
SHARK	190	--	--
SHORTBILL SPEARFISH	410	390	$329
BLACK MARLIN	1,633	1,285	$1,322
GEAR = DEEP-SEA HANDLINE	REGION = NORTHWESTERN H.I.		
BROADBILL	141	141	$176
ONO	96	96	$133
GEAR = DEEP-SEA HANDLINE	REGION = BEYOND 20 MILES		
STRIPED MARLIN	644	644	$781
BLUE MARLIN	1,569	1,464	$1,267
BROADBILL	621	621	$812
SAILFISH	77	77	$86
MAHIMAHI	2,040	2,040	$3,891
ONO	833	759	$1,921
GEAR = DEEP-SEA HANDLINE	REGION = OTHER		
ONO	5	--	--
GEAR = INSHORE HANDLINE	REGION = 0 TO 2 MILES		
MAHIMAHI	87	80	$127
ONO	282	232	$361
SHARK	58	--	--
GEAR = INSHORE HANDLINE	REGION = 2 TO 20 MILES		
MAHIMAHI	14	--	--

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = TROLLING LINE REGION = 0 TO 2 MILES			
STRIPED MARLIN	989	837	$992
BLUE MARLIN	18,386	14,922	$6,171
SAILFISH	152	77	$56
MAHIMAHI	6,399	4,960	$9,263
ONO	27,982	23,658	$43,499
SHARK	66	66	$6
SHORTBILL SPEARFISH	391	391	$298
GEAR = TROLLING LINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	32,110	24,362	$25,454
BLUE MARLIN	374,958	294,078	$138,877
BROADBILL	350	121	$96
SAILFISH	1,203	604	$351
MAHIMAHI	124,447	104,039	$206,138
ONO	136,589	114,537	$199,021
SHARK	1,549	238	$37
HAMMERHEAD SHARK	150	--	--
SHORTBILL SPEARFISH	11,013	7,425	$8,383
BLACK MARLIN	8,618	6,111	$2,860
GEAR = TROLLING LINE REGION = NORTHWESTERN H.I.			
MAHIMAHI	30	30	$30
ONO	7,094	7,094	$16,001
GEAR = TROLLING LINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	875	700	$445
BLUE MARLIN	13,042	11,255	$4,082
MAHIMAHI	1,395	997	$1,834
ONO	1,285	822	$1,256
SHORTBILL SPEARFISH	229	110	$129
BLACK MARLIN	443	318	$151
GEAR = TROLLING LINE REGION = OTHER			
BLUE MARLIN	180	--	--
MAHIMAHI	311	311	$647
ONO	1,218	1,218	$3,025
SHORTBILL SPEARFISH	38	38	$19

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = OTHER REGION = 0 TO 2 MILES			
MAHIMAHI	98	98	$203
ONO	28	28	$65
SHARK	1,026	29	$48
HAMMERHEAD SHARK	1,880	--	--
SHORTBILL SPEARFISH	729	679	$669
GEAR = OTHER REGION = 2 TO 20 MILES			
STRIPED MARLIN	330	75	$172
BLUE MARLIN	659	659	$98
MAHIMAHI	6,492	6,447	$12,328
ONO	52	27	$71
SHARK	135	135	$41
GEAR = OTHER REGION = BEYOND 20 MILES			
STRIPED MARLIN	232	232	$153
BLUE MARLIN	234	234	$70
MAHIMAHI	3,754	3,754	$5,205
ONO	42	42	$73
SHORTBILL SPEARFISH	30	--	--
GEAR = OTHER REGION = OTHER			
MAHIMAHI	37	37	$34

TABLE 9.--HDAR 1980 DATA BY GEAR, REGION, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = FLAGLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	19,875	19,875	$22,815
BLUE MARLIN	6,870	6,870	$5,920
BROADBILL	489	489	$1,028
MAHIMAHI	7,562	7,562	$15,981
ONO	2,014	2,014	$3,295
SHARK	101	101	$35
SHORTBILL SPEARFISH	237	237	$144
GEAR = FLAGLINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	4,539	4,539	$5,325
BLUE MARLIN	1,834	1,834	$1,760
BROADBILL	206	206	$210
MAHIMAHI	1,290	1,222	$2,546
ONO	581	581	$1,307
SHARK	169	169	$67
SHORTBILL SPEARFISH	83	83	$112
GEAR = DEEP-SEA HANDLINE REGION = 0 TO 2 MILES			
STRIPED MARLIN	449	449	$337
BLUE MARLIN	4,634	3,910	$1,755
BROADBILL	445	445	$632
MAHIMAHI	5,475	5,268	$11,670
ONO	5,035	5,010	$9,239
SHARK	4,666	--	--
SHORTBILL SPEARFISH	108	108	$134
GEAR = DEEP-SEA HANDLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	2,466	2,367	$3,085
BLUE MARLIN	20,565	18,974	$10,971
BROADBILL	29,510	29,183	$39,393
SAILFISH	273	233	$126
MAHIMAHI	33,537	32,508	$71,323
ONO	33,780	32,694	$64,184
SHARK	591	241	$90
SHORTBILL SPEARFISH	490	363	$314
BLACK MARLIN	527	249	$447
GEAR = DEEP-SEA HANDLINE REGION = NORTHWESTERN H.I.			
SHORTBILL SPEARFISH	18	18	$10

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = DEEP-SEA HANDLINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	1,390	1,390	$2,596
BLUE MARLIN	1,190	1,190	$1,142
BROADBILL	852	852	$1,091
SAILFISH	174	174	$290
MAHIMAHI	1,854	1,719	$4,167
ONO	1,470	1,440	$2,814
SHORTBILL SPEARFISH	26	26	$10
GEAR = DEEP-SEA HANDLINE REGION = OTHER			
MAHIMAHI	6	6	$9
ONO	58	58	$97
GEAR = INSHORE HANDLINE REGION = 0 TO 2 MILES			
MAHIMAHI	92	81	$205
ONO	48	44	$37
SHARK	1,333	13	$6
SHORTBILL SPEARFISH	6	6	$8
GEAR = INSHORE HANDLINE REGION = 2 TO 20 MILES			
MAHIMAHI	13	13	$35
GEAR = TROLLING LINE REGION = 0 TO 2 MILES			
STRIPED MARLIN	1,455	1,306	$1,742
BLUE MARLIN	14,378	11,638	$6,015
BROADBILL	158	158	$237
SAILFISH	64	--	--
MAHIMAHI	13,451	11,594	$27,424
ONO	39,327	34,314	$68,568
SHARK	763	113	$39
HAMMERHEAD SHARK	95	--	--
SHORTBILL SPEARFISH	271	201	$186
BLACK MARLIN	455	455	$291

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = TROLLING LINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	36,229	28,261	$33,679
BLUE MARLIN	382,176	330,882	$159,730
BROADBILL	874	874	$982
SAILFISH	446	272	$182
MAHIMAHI	164,732	141,667	$303,092
ONO	178,897	157,802	$293,694
SHARK	3,988	87	$11
HAMMERHEAD SHARK	124	120	$35
SHORTBILL SPEARFISH	10,431	7,913	$7,057
BLACK MARLIN	4,658	4,220	$2,943
GEAR = TROLLING LINE REGION = NORTHWESTERN H.I.			
BLUE MARLIN	173	173	$96
MAHIMAHI	352	352	$808
ONO	3,713	3,713	$7,245
GEAR = TROLLING LINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	486	446	$496
BLUE MARLIN	9,060	6,565	$3,022
MAHIMAHI	1,676	1,018	$2,349
ONO	960	530	$927
SHORTBILL SPEARFISH	327	167	$178
BLACK MARLIN	220	220	$110
GEAR = TROLLING LINE REGION = OTHER			
STRIPED MARLIN	77	77	$98
MAHIMAHI	70	57	$89
ONO	138	138	$166
GEAR = OTHER REGION = 0 TO 2 MILES			
MAHIMAHI	66	66	$100
ONO	107	107	$161
SHARK	621	21	$12
HAMMERHEAD SHARK	225	225	$96
SHORTBILL SPEARFISH	1	1	$1
BLACK MARLIN	10	4	$2

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = OTHER REGION = 2 TO 20 MILES			
BLUE MARLIN	650	650	$195
BROADBILL	490	490	$515
MAHIMAHI	5,007	5,007	$10,547
ONO	308	278	$428
GEAR = OTHER REGION = BEYOND 20 MILES			
MAHIMAHI	3,457	3,457	$5,615
GEAR = OTHER REGION = OTHER			
MAHIMAHI	20	20	$59

TABLE 9.--HDAR 1981 DATA BY GEAR, REGION, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = FLAGLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	4,773	4,773	$5,838
BLUE MARLIN	384	384	$393
MAHIMAHI	2,514	2,514	$6,027
ONO	329	329	$817
SHORTBILL SPEARFISH	67	67	$50
GEAR = FLAGLINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	6,504	6,504	$7,862
BLUE MARLIN	1,393	1,393	$1,250
BROADBILL	26	26	$14
SAILFISH	103	103	$85
MAHIMAHI	589	544	$1,308
ONO	168	168	$414
GEAR = FLAGLINE REGION = OTHER			
STRIPED MARLIN	382	382	$534
BLUE MARLIN	278	278	$250
GEAR = DEEP-SEA HANDLINE REGION = 0 TO 2 MILES			
STRIPED MARLIN	47	47	$47
BLUE MARLIN	546	430	$561
BROADBILL	14	14	$10
SAILFISH	21	21	$15
MAHIMAHI	1,490	1,420	$3,621
ONO	902	843	$1,718
SHARK	281	--	--
GEAR = DEEP-SEA HANDLINE REGION = 2 TO 20 MILES			
STRIPED MARLIN	588	585	$665
BLUE MARLIN	5,432	4,852	$5,009
BROADBILL	1,621	1,567	$2,745
MAHIMAHI	13,287	13,026	$32,248
ONO	12,705	12,424	$28,321
SHARK	3,610	650	$306
SHORTBILL SPEARFISH	556	505	$399
GEAR = DEEP-SEA HANDLINE REGION = NORTHWESTERN H.I.			
STRIPED MARLIN	38	38	$22
MAHIMAHI	31	31	$57
SHORTBILL SPEARFISH	46	46	$27

Table 9.--Continued.

GEAR = DEEP-SEA HANDLINE REGION = BEYOND 20 MILES

SPECIES	LBCAUGHT	LBSOLD	REVENUE
BLUE MARLIN	490	490	$122
MAHIMAHI	435	335	$619
ONO	93	93	$180

GEAR = DEEP-SEA HANDLINE REGION = OTHER

MAHIMAHI	9	9	$18

GEAR = INSHORE HANDLINE REGION = 0 TO 2 MILES

ONO	22	--	--
SHARK	793	--	--
SHORTBILL SPEARFISH	54	54	$24

GEAR = TROLLING LINE REGION = 0 TO 2 MILES

STRIPED MARLIN	454	404	$786
BLUE MARLIN	2,278	1,798	$1,292
MAHIMAHI	5,447	4,888	$12,660
ONO	7,420	6,599	$16,916
BLACK MARLIN	320	320	$192

GEAR = TROLLING LINE REGION = 2 TO 20 MILES

STRIPED MARLIN	18,255	14,070	$16,932
BLUE MARLIN	101,889	85,961	$56,276
SAILFISH	260	180	$183
MAHIMAHI	64,521	54,781	$129,142
ONO	42,248	38,186	$88,595
SHARK	550	--	--
HAMMERHEAD SHARK	200	--	--
SHORTBILL SPEARFISH	5,196	3,550	$4,031
BLACK MARLIN	3,537	3,171	$1,883

GEAR = TROLLING LINE REGION = NORTHWESTERN H.I.

BLUE MARLIN	232	232	$135
MAHIMAHI	104	104	$442
ONO	2,537	2,537	$5,023

Table 9.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
GEAR = TROLLING LINE REGION = BEYOND 20 MILES			
STRIPED MARLIN	69	69	$67
BLUE MARLIN	962	962	$940
MAHIMAHI	1,253	1,213	$3,192
ONO	484	471	$1,439
SHORTBILL SPEARFISH	81	51	$53
GEAR = TROLLING LINE REGION = OTHER			
MAHIMAHI	13	13	$27
ONO	213	213	$606
GEAR = OTHER REGION = 0 TO 2 MILES			
MAHIMAHI	46	46	$188
SHARK	1	1	$1
GEAR = OTHER REGION = 2 TO 20 MILES			
MAHIMAHI	2,797	2,797	$4,046
ONO	13	13	$19
GEAR = OTHER REGION = BEYOND 20 MILES			
MAHIMAHI	317	317	$984